



MID 087738 431

January 15, 2013

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: December 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The December monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the December operators' inspection logs. No wildlife was potentially exposed in the month of December.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,

A handwritten signature in black ink, appearing to read "Jim Earl", followed by the word "for" in a cursive script.

James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
December 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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**CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT**

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period December 1 through December 31, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

On several occasions, gulls, red tail hawk, blue jays, and morning doves were observed using one of the treatment plant impoundments, and were scared off with the air horns. The birds flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. No repetitive use of the treatment ponds and lagoons was observed in the December inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in December. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in December 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In December, there were observations of gulls, red tail hawk, blue jays, and morning doves overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of December 2012.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

December 1 to December 31, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
124	9	4	No	Near Primary Lagoon, near Secondary Lagoon, near Diked Lagoon, and near Bermed Area.	4	Flew away on their own or after horn blasts.

*During dawn to dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	31 days	31 days	0	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/01	6:00 AM	N	N	N	N	0	N	JT
12/01	9:00 AM	N	N	N	N	00	N/A	C.L.
12/01	1:00 PM	N	N	N	N	0	N/A	C.L.
12/01	7:30 PM	N	N	N	N	0	N	JT
12/02	6:00 AM	MORNING DOWNS	N	N	S	2	NOTHING HAPPENED	JT
12/02	9:00 AM	MORNING DOWNS	N	N	S	2	Fly away	C.L.
12/02	1:00 PM	Gulls	Y	N	P/S	0	N	C.L.
12/2	8:00 PM	N	N	N	N	0	N	R
12/3	7:00 AM	N	N	N	N	0	N	R
12/3	9:00 AM	RED TAILED HAWK	N	N	B	0	N	A.H.
12/3	1:00 PM	N	N	N	N	0	N	A.H.
12/3	8:00 PM	N	N	N	N	0	N	R
12/4	7:00 AM	N	N	N	N	0	N	R
12/4	9:00 AM	N	N	N	N	0	N	A.H.
12/4	1:00 PM	N	N	N	N	0	N	A.H.
12/4	8:00 PM	N	N	N	N	0	N	R
12/5	7:00 AM	N	N	N	N	0	N	R
12/5	9:00 AM	N	N	N	N	0	N	R

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/15	1:00 P.M.	BLUE JAYS	N	N	B	0	N	A.H.
12/15	8:00 PM	N	N	N	N	0	N	RE
12/16	7:00 PM	N	N	N	N	0	N	RE
12/16	9:00 AM	N	N	N	N	0	N	A.H.
12/16	1:00 P.M.	N	N	N	N	0	N	A.H.
12/16	8:00 PM	N	N	N	N	0	N	ST
12/17	6:00 AM	N	N	N	N	0	N	ST
12/17	9:00 AM	N	N	N	N	0	N	C.L.
12/17	1:00 PM	N	N	N	N	0	N	C.L.
12/17	7:45 PM	N	N	N	N	0	N	ST
12/18	6:00 AM	N	N	N	N	0	N	ST
12/18	9:00 AM	N	N	N	N	0	N	C.L.
12/18	1:00 PM	N	N	N	N	0	N	C.L.
12/18	7:45 PM	N	N	N	N	0	N	ST
12/19	6:00 AM	N	N	N	N	0	N	ST
12/19	9:00 AM	N	N	N	N	0	N	C.L.
12/19	1:00 PM	N	N	N	N	0	N	C.L.
12/19	7:45 PM	N	N	N	N	0	N	ST

Location Code: B = near Berm area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/10	6:00 AM	N	N	N	N	0	N	SH
12/10	9:50 AM	N	N	N	N	0	N	C.L.
12/10	1:00 PM	N	N	N	N	0	N	C.L.
12/10	8:00 PM	N	N	N	N	0	N	RE
12/11	7:00 AM	N	N	N	N	0	N	RE
12/11	9:00 AM	N	N	N	N	0	N	A.H.
12/11	1:00 P.M.	N	N	N	N	0	N	A.H.
12/11	8:00 PM	N	N	N	N	0	N	RE
12/12	7:00 AM	N	N	N	N	0	N	RE
12/12	9:00 AM	N	N	N	N	0	N	A.H.
12/12	1:00 PM	N	N	N	N	0	N	A.H.
12/12	8:00 PM	N	N	N	N	0	N	RE
12/13	7:00 AM	N	N	N	N	0	N	RE
12/13	9:00 A.M.	N	N	N	N	0	N	A.H.
12/13	1:00 P.M.	N	N	N	N	0	N	A.H.
12/13	8:00 PM	N	N	N	N	0	N	RE
12/14	7:00 AM	N	N	N	N	0	N	RE
12/14	9:00 AM	RED TAILED HOOP POE	Y	N	B	0	N	A.H.

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date W Y	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/14	1:00 PM	N	N	N	N	0	N	A.H.
12/14	7:45 PM	N	N	N	N	0	N	ST
12/15	6:00 AM	N	N	N	N	0	N	ST
12/15	9:00 AM	N	N	N	N	0	N	C.L.
12/15	1:00 PM	N	N	N	N	0	N	C.L.
12/15	8:00 PM	N	N	N	N	0	N	C.L.
12/16	6:00 AM	N	N	N	N	0	N	ST
12/16	9:00 AM	N	N	N	N	0	N	C.L.
12/16	1:00 PM	N	N	N	N	0	N	C.L.
12/16	7:45 PM	N	N	N	N	0	N	ST
12/17	6:00 AM	N	N	N	N	0	N	ST
12/17	9:00 AM	N	N	N	N	0	N	C.L.
12/17	1:00 PM	N	N	N	N	0	N	C.L.
12/17	5:30 PM	N	N	N	N	0	N	C.L.
12/18	7:00 AM	N	N	N	N	0	N	ST
12/18	9:00 AM	N	N	N	N	0	N	ST
12/18	1:00 PM	N	N	N	N	0	N	C.L.
12/18	5:30 PM	N	N	N	N	0	N	C.L.

Location Code: B = near Berned area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/19	7:00 AM	N	N	N	N	0	N	RE
12/19	9:00 AM	N	N	N	N	0	N	A.H.
12/19	1:00 PM	N	N	N	N	0	N	A.H.
12/19	5:30 PM	N	N	N	N	0	N	A.H.
12/20	7:00 AM	N	N	N	N	0	N	RE
12/20	9:00 AM	N	N	N	N	0	N	A.H.
12/20	1:00 PM	N	N	N	N	0	N	A.H.
12/20	5:30 PM	N	N	N	N	0	N	A.H.
12/21	7:00 AM	N	N	N	N	0	N	RE
12/21	9:00 AM	N	N	N	N	0	N	A.H.
12/21	1:00 PM	N	N	N	N	0	N	A.H.
12/21	5:30 PM	N	N	N	N	0	N	A.H.
12/22	7:00 AM	N	N	N	N	0	N	RE
12/22	9:00 AM	Gulls	N	N	SL	0	N	A.H.
12/22	1:00 PM	N	N	N	N	0	N	A.H.
12/22	5:30 PM	N	N	N	N	0	N	A.H.
12/23	7:00 AM	N	N	N	N	0	N	ST
12/23	9:00 AM	N	N	N	N	0	N	C.L.

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SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/23	1:00 PM	Gulls	Y	N	SL	0	N	C.L.
12/23	5:30 PM	N	N	N	N	0	N	C.L.
12/24	7:00 AM	N	N	N	N	0	N	CH
12/24	9:00 AM	N	N	N	N N	0	N	C.L.
12/24	1:00 PM	Gulls	Y	N	SL SL	0	N	C.L.
12/24	5:30 PM	N	N	N	N	0	N	C.L.
12/25	7:00 AM	N	N	N	N	0	N	CH
12/25	9:00 AM	N	N	N	N	0	N	C.L.
12/25	1:00 PM	N	N	N	N	0	N	C.L.
12/25	5:30 PM	N	N	N	N	0	N	C.L.
12/26	7:00 AM	N	N	N	N	0	N	CH
12/26	9:00 AM	N	N	N	N	0	N	C.L.
12/26	1:00 PM	N	N	N	N	0	N	C.L.
12/26	5:30 PM	N	N	N	N	0	N	C.L.
12/27	7:00 AM	N	N	N	N	0	N	CH
12/27	9:00 AM	N	N	N	N	0	N	A.H.
12/27	1:00 PM	N	N	N	N	0	N	A.H.
12/27	5:30 PM	N	N	N	N	0	N	A.H.

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SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/28	7:00 AM	N	N	N	N	0	N	RE
12/28	9:00 A.M.	N	N	N	N	0	N	A.H.
12/28	1:00 P.M.	N	N	N	N	0	N	A.H.
12/28	5:30 P.M.	N	N	N	N	0	N	A.H.
12/29	7:00 AM	N	N	N	N	0	N	RE
12/29	9:00 A.M.	N	N	N	N	0	N	A.H.
12/29	1:00 P.M.	N	N	N	N	0	N	A.H.
12/29	5:30 P.M.	N	N	N	N	0	N	A.H.
12/30	7:00 AM	N	N	N	N	0	N	RE
12/30	9:00 A.M.	N	N	N	N	0	N	A.H.
12/30	1:00 P.M.	N	N	N	N	0	N	A.H.
12/30	5:30 P.M.	N	N	N	N	0	N	A.H.
12/31	7:00 AM	N	N	N	N	0	N	ST
12/31	9:00 A.M.	N	N	N	N	0	N	C.L.
12/31	1:00 P.M.	N	N	N	N	0	N	C.L.
12/31	5:30 P.M.	N	N	N	N	0	N	C.L.
X								
X								

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
12/01	1:00 AM	N	N	Y	Y	N	N	N	J
	7:30 PM	N	N	Y	Y	N	N	N	J
12/01	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
12/02	1:00 AM	N	N	Y	Y	N	N	N	J
	8:00 PM	N	N	Y	Y	N	N	N	J
12/02	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
12/03	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	C.L.
12/03	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
12/04	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	A.H.

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/4	9:00 AM	N	N	Y	Y	N			A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/5	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
12/5	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/6	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	7:45 PM	N	N	Y	Y	N	N	N	
12/6	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/07	6:00 AM	N	N	Y	Y	N	N	N	A.H.
	7:45 PM	N	N	Y	Y	N	N	N	
12/07	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

q:\excel\route\srwwtp oil management insp log sheet

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ¹)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/08	6:00 AM	N	N	Y	Y	N	N	N	ST
	7:45 PM	N	N	Y	Y	N	N	N	ST
12/08	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
12/09	6:00 AM	N	N	Y	Y	N	N	N	ST
	7:45 PM	N	N	Y	Y	N	N	N	ST
12/09	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
12/10	6:00 AM	N	N	Y	Y	N	N	N	ST
	8:00 PM	N	N	Y	Y	N	N	N	ST
12/10	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
12/11	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	C.L.

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 12/11	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/12	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
12/12	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/13	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
12/13	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/14	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	7:45 PM	N	N	Y	Y	N	N	N	
12/14	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
12/12	6:00 AM	N	N	Y	Y	N	N	N	HT
12/15	8:00 PM	N	N	Y	Y	N	N	N	C.L.
12/15	9:00 AM	N	N	Y	Y	N	N	N	C.L.
12/15	1:00 PM	N	N	Y	Y	N	N	N	C.L.
12/16	6:00 AM	N	N	Y	Y	N	N	N	HT
12/16	7:45 PM	N	N	Y	Y	N	N	N	HT
12/16	9:00 AM	N	N	Y	Y	N	N	N	C.L.
12/16	1:00 PM	N	N	Y	Y	N	N	N	C.L.
12/17	6:00 AM	N	N	Y	Y	N	N	N	C.L.
12/17	5:30 PM	N	N	Y	Y	N	N	N	HT
12/17	9:00 AM	N	N	Y	Y	N	N	N	C.L.
12/17	1:00 PM	N	N	Y	Y	N	N	N	C.L.
12/18	6:00 AM	N	N	Y	Y	N	N	N	C.L.
12/18	1:00 PM	N	N	Y	Y	N	N	N	HT
						N	N	N	C.L.

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ¹)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
12/18	9:00 AM	N	N	Y	Y	N	N	N	JH
	5:30 PM	N	N	Y	Y	N	N	N	
12/19	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	5:30 PM	N	N	Y	Y	N	N	N	
12/19	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
12/20	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	5:30 PM	N	N	Y	Y	N	N	N	
12/20	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
12/21	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	5:30 PM	N	N	Y	Y	N	N	N	
12/21	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/22	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	5:30 PM	N	N	Y	Y	N	N	N	
12/22	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/23	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	5:30 PM	N	N	Y	Y	N	N	N	
12/23	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
12/24	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	5:30 PM	N	N	Y	Y	N	N	N	
12/24	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
12/25	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	5:30 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/25	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
12/26	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	5:30 PM	N	N	Y	Y	N	N	N	
12/26	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
12/27	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	5:30 PM	N	N	Y	Y	N	N	N	
12/27	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/28	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	5:30 PM	N	N	Y	Y	N	N	N	
12/28	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/29	7:00 AM	N	N	Y	Y	N	N	N	R
	5:30 PM	N	N	Y	Y	N	N	N	
12/29	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/30	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	5:30 PM	N	N	Y	Y	N	N	N	
12/30	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
12/31	7:00 AM	N	N	Y	N	N	N	N	A.H.
	5:30 PM	N	N	Y	N	N	N	N	
12/31	9:00 AM	N	N	Y	N	N	N	N	C.L.
	1:00 PM	N	N	Y	N	N	N	N	
X	AM								
	PM								

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
12/01	6:00 AM	N	N	N	N	Y	NA	ST
	7:30 PM	N	N	N	N	Y	NA	ST
12/01	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/02	6:00 AM	N	N	N	N	Y	NA	ST
	8:00 PM	N	N	N	N	Y	NA	RE
12/02	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/3	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
12/3	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
12/4	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
12/4	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
12/5	7:00 AM	N	N	N	N	Y	NA	
	8:00 PM	N	N	N	N	Y	NA	
12/5	9:00 AM	N	N	N	N	Y	NA	
	1:00 PM	N	N	N	N	Y	N/A	
12/6	7:00 AM	N	N	N	N	Y	NA	
	8:00 PM	N	N	N	N	Y	NA	
12/6	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
12/07	6:00 AM	N	N	N	N	Y	NA	
	4:45 PM	N	N	N	N	Y	NA	
12/07	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
12/08	6:00 AM	N	N	N	N	Y	NA	JH
	7:45 PM	N	N	N	N	Y	NA	JH
12/08	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/09	6:00 AM	N	N	N	N	Y	NA	JH
	7:45 PM	N	N	N	N	Y	NA	JH
12/09	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/10	6:00 AM	N	N	N	N	Y	NA	JH
	8:00 PM	N	N	N	N	Y	NA	RE
12/10	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/11	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
12/11	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
12/12	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
12/12	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
12/13	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
12/13	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
12/14	7:00 AM	N	N	N	N	Y	NA	RE
	7:45 PM	N	N	N	N	Y	NA	RE
12/14	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
12/15	6:00 AM	N	N	N	N	Y	NA	CH
	5:30 PM	N	N	N	N	Y	NA	C.L.
12/15	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/16	6:00 AM	N	N	N	N	Y	NA	CH
	7:45 PM	N	N	N	N	Y	NA	CH
12/16	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/17	6:00 AM	N	N	N	N	Y	NA	CH
	5:30 PM	N	N	N	N	Y	NA	C.L.
12/17	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/18	7:00 AM	N	N	N	N	Y	NA	CH
	5:30 PM	N	N	N	N	Y	NA	C.L.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
12/18	9:00 AM	N	N	N	N	Y	NA	JH
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/19	7:00 AM	N	N	N	N	Y	NA	RE
	5:30 PM	N	N	N	N	Y	N/A	A.H.
12/19	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
12/20	7:00 AM	N	N	N	N	Y	NA	RE
	5:30 PM	N	N	N	N	Y	N/A	A.H.
12/20	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
12/21	7:00 AM	N	N	N	N	Y	NA	RE
	5:30 PM	N	N	N	N	Y	N/A	A.H.
12/21	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
12/22	7:00 AM	N	N	N	N	Y	NA	A.H.
	5:30 PM	N	N	N	N	Y	N/A	
12/22	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	
12/23	7:00 AM	N	N	N	N	Y	NA	C.L.
	5:30 PM	N	N	N	N	Y	NA	
12/23	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	
12/24	7:00 AM	N	N	N	N	Y	NA	C.L.
	5:30 PM	N	N	N	N	Y	NA	
12/24	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	N/A	
12/25	7:00 AM	N	N	N	N	Y	NA	C.L.
	5:30 PM	N	N	N	N	Y	NA	

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
12/25	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/26	7:00 AM	N	N	N	N	Y	NA	C.L.
	5:30 PM	N	N	N	N	Y	NA	C.L.
12/26	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/27	7:00 AM	N	N	N	N	Y	NA	C.L.
	5:30 PM	N	N	N	N	Y	NA	C.L.
12/27	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
12/28	7:00 AM	N	N	N	N	Y	NA	C.L.
	5:30 PM	N	N	N	N	Y	NA	C.L.
12/28	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
12/29	7:00 AM	N	N	N	N	Y	NA	A.H.
	5:30 PM	N	N	N	N	Y	N/A	
12/29	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	
12/30	7:00 AM	N	N	N	N	Y	NA	A.H.
	5:30 PM	N	N	N	N	Y	N/A	
12/30	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	
12/31	7:00 AM	N	N	N	N	Y	NA	C.L.
	5:30 PM	N	N	N	N	Y	NA	
12/31	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	
X	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).



MID 087738431

December 14, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

RECEIVED
DIVISION FRONT OFFICE
DEC 18 2012
LAND AND CHEMICALS DIVISION
U.S. EPA - REGION 5

Subject: November 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

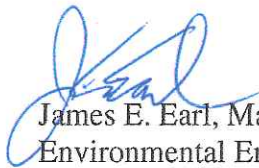
Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The November monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the November operators' inspection logs. No wildlife was potentially exposed in the month of November.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,


James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
November 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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Inspection Summary and Report Sheets	Appendix A

**CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT**

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period November 1 through November 30, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

On several occasions, gulls, blue herons, juncos, nuthatches, sparrows, morning doves, and robins were observed using one of the treatment plant impoundments, and were scared off with the air horns. The birds flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. No repetitive use of the treatment ponds and lagoons was observed in the November inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in November. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for reducing acute exposures. This indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in November 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In November, there were observations of gulls, blue herons, juncos, nuthatches, sparrows, morning doves, and robins overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of November 2012.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

November 1 to November 30, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
120	19	7	0	Near Primary Lagoon, near Secondary Lagoon, near Diked Lagoon, and near Bermed Area.	10	Flew away on their own or after horn blasts.

*During dawn to dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	30 days	30 days	0	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Day & Date)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012	7:00 AM	N	N	N	N	0	N	RE
11/1	9:00 AM	GULL	Y	N	SL	0	N	A.H.
11/1	1:00 PM	N	N	N	N	0	N	A.H.
11/1	8:00 PM	N	N	N	N	0	N	RE
11/2	7:00 AM	N	N	N	N	0	N	RE
11/2	9:00 AM	JUNCO	N	N	B	0	N	A.H.
11/2	1:00 PM	NOTHING	N	N	P	1	FLEW AWAY	A.H.
11/2	8:00 PM	N	N	N	N	0	N	RE
11/3	7:00 AM	N	N	N	N	0	N	RE
11/3	9:00 AM	GOULS / JUNCO	N	N	SL / B	0	N	A.H.
11/3	1:00 PM	ROBINS	N	N	S	0	N	A.H.
11/3	8:00 PM	N	N	N	N	0	N	RE
11/4	7:00 AM	N	N	N	N	0	N	RE
11/4	9:00 AM	N	N	N	N	0	N	C.L.
11/4	1:00 PM	GULL	Y	N	SL	0	N	C.L.
11/4	8:00 PM	N	N	N	N	0	N	A.H.
11/5	6:30 AM	N	N	N	N	0	N	RE
11/5	9:00 AM	GULL	Y	N	SL	0	N	C.L.

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
11/05	2:00 P.M.	N	N	N	N	0	N	C.L.
11/5	7:30 P.M.	N	N	N	N	0	N	AT
11/6	6:00 A.M.	N	N	N	N	0	N	AT
11/06	9:30 A.M.	N	N	N	N	0	N	C.L.
11/06	2:00 P.M.	N	N	N	N	0	N	C.L.
11/6	7:30 P.M.	N	N	N	N	0	N	AT
11/7	6:00 A.M.	N	N	N	N	0	N	AT
11/07	9:00 A.M.	N	N	N	N	0	N	C.L.
11/07	1:00 P.M.	N	N	N	N	0	N	C.L.
11/7	7:30 P.M.	N	N	N	N	0	N	AT
11/8	6:00 A.M.	N	N	N	N	0	N	AT
11/08	9:00 A.M.	N	N	N	N	0	N	C.L.
11/08	1:00 P.M.	N	N	N	N	0	N	C.L.
11/8	8:00 P.M.	N	N	N	N	0	N	AT
11/9	7:00 A.M.	N	N	N	N	0	N	AT
11/9	9:00 A.M.	GULLS	N	N	P	0	N	AT
11/9	1:00 P.M.	N	N	N	N	0	N	AT
11/9	8:00 P.M.	N	N	N	N	0	N	AT

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
11/10	7:00 AM	N	N	N	N	0	N	RC
11/10	7:00 AM	N	N	N	N	0	N	A-H
11/10	1:00 PM	N	N	N	N	0	N	A-H
11/10	8:00 PM	N	N	N	N	0	N	RC
11/11	7:00 AM	N	N	N	N	0	N	RC
11/11	7:00 AM	N	N	N	N	0	N	A-H
11/11	1:00 PM	N	N	N	N	0	N	A-H
11/11	8:00 PM	N	N	N	N	0	N	RC
11/12	7:00 AM	N	N	N	N	0	N	RC
11/12	7:00 AM	N	N	N	N	0	N	A-H
11/12	1:00 PM	N	N	N	N	0	N	A-H
11/12	7:30 PM	N	N	N	N	0	N	RC
11/13	7:00 AM	N	N	N	N	0	N	RC
11/13	9:00 AM	N	N	N	N	0	N	C.L.
11/13	1:00 PM	N	N	N	N	0	N	C.L.
11/13	7:30 PM	SPARROWS	N	N	N	2	Flew away	RC
11/14	6:30 AM	N	N	N	N	0	N	RC
11/14	9:00 AM	N	N	N	N	0	N	C.L.

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
11/14	1:00 PM	N	N	N	N	0	N	C.L.
11/14	7:30 PM	N	N	N	N	0	N	CH
11/15	6:00 AM	N	N	N	N	0	N	CH
11/15	9:00 AM	N	N	N	N	0	N	C.L.
11/15	1:00 PM	N	N	N	N	0	N	C.L.
11/15	7:30 PM	N	N	N	N	0	N	CH
11/16	6:00 AM	N	N	N	N	0	N	CH
11/16	9:00 AM	N	N	N	N	0	N	C.L.
11/16	1:00 PM	N	N	N	N	0	N	C.L.
11/16	8:00 PM	N	N	N	N	0	N	RE
11/17	7:00 AM	N	N	N	N	0	N	RE
11/17	9:00 AM	N	N	N	N	0	N	A.H.
11/17	1:00 PM	N	N	N	N	0	N	A.H.
11/17	8:00 PM	N	N	N	N	0	N	RE
11/18	7:00 AM	N	N	N	N	0	N	RE
11/18	9:00 AM	N	N	N	N	0	N	A.H.
11/18	1:00 PM	N	N	N	N	0	N	A.H.
11/18	8:00 PM	N	N	N	N	0	N	RE

Location Code: B = near Berned area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
11/19	7:00 AM	N	N	N	N	0	N	A.H.
11/19	9:00 AM	N	N	N	N	0	N	A.H.
11/19	1:00 PM	N	N	N	N	0	N	A.H.
11/19	8:00 PM	N	N	N	N	0	N	A.H.
11/20	7:00 AM	N	N	N	N	0	N	A.H.
11/20	7:00 AM	GULLS	Y	N	P-S	0	N	A.H.
11/20	1:00 PM	N	N	N	N	0	N	A.H.
11/20	7:30 PM	N	N	N	N	0	N	A.H.
11/21	6:00 AM	N	N	N	N	0	N	A.H.
11/21	9:00 AM	N	N	N	N	0	N	A.H.
11/21	1:30 PM	N	N	N	N	0	N	C.L.
11/21	7:30 PM	N	N	N	N	0	N	A.H.
11/22	6:00 AM	N	N	N	N	0	N	A.H.
11/22	9:00 AM	N	N	N	N	0	N	C.L.
11/22	1:00 PM	N	N	N	N	0	N	C.L.
11/22	7:30 PM	N	N	N	N	0	N	A.H.
11/23	6:00 AM	N	N	N	N	0	N	A.H.
11/23	9:00 AM	N	N	N	N	0	N	C.L.

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
11/23	1:00 PM	N	N	N	N	0	N	C.L.
11/23	7:30 PM	N	N	N	N	0	N	ST
11/24	6:00 AM	MORNING DOB	N	N	B	0	Flew away	ST
11/24	9:00 AM	GULL	N	N	PP	0	N	C.L.
11/24	1:00 PM	N	N	N	N	0	N	C.L.
11/24	8:00 PM	N	N	N	N	0	N	RE
11/25	7:00 AM	N	N	N	N	0	N	RE
11/25	9:00 AM	N	N	N	N	0	N	A.H.
11/25	1:00 PM	N	N	N	N	0	N	A.H.
11/25	8:00 PM	N	N	N	N	0	N	RE
11/26	7:00 AM	N	N	N	N	0	N	RE
11/26	9:00 AM	GULLS, Juncos, ^{Blue} Herring	N	N	P, B, D	0	N	A.H.
11/26	1:00 PM	N	N	N	N	0	N	A.H.
11/26	8:00 PM	N	N	N	N	0	N	RE
11/27	7:00 AM	N	N	N	N	0	N	RE
11/27	9:00 AM	GULLS	N	N	P	0	N	A.H.
11/27	1:00 PM	N	N	N	N	0	N	A.H.
11/27	8:00 PM	N	N	N	N	0	N	RE

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
11/28	7:00 AM	N	N	N	N	0	N	AP
11/28	9:00 AM	N	N	N	N	0	N	A.H.
11/28	1:00 P.M.	N	N	N	N	0	N	A.H.
11/28	7:30 PM	N	N	N	N	0	N	ST
11/29	6:00 AM	N	N	N	N	0	N	ST
11/29	9:20 AM	JUNCO	N	N	SL / B	2	Flew Away	C.L.
11/29	1:00 PM	Robins	N	N	S	1	Flew Away	C.L.
11/29	7:30 PM	N	N	N	N	0	N	ST
11/30	6:00 AM	Robins	N	N	J	2	FLEW AWAY	ST
11/30	9:00 AM	Gulls	Y	N	P / S	0	Flew Away	C.L.
11/30	1:00 PM	Robins	N	N	SL	2	Flew Away	C.L.
11/30	7:30 PM	N	N	N	N	0	N	ST

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2002 11/1	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	
11/1	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/2	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	
11/2	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/3	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	
11/3	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/4	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
11/4	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
11/5	6:30 AM	N	N	Y	Y	N	N	N	C.L.
	7:30 PM	N	N	Y	Y	N	N	N	
11/05	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	2:00 PM	N	N	Y	Y	N	N	N	
11/6	6:00 AM	N	N	Y	Y	N	N	N	C.L.
	7:30 PM	N	N	Y	Y	N	N	N	
11/6	9:30 AM	N	N	Y	Y	N	N	N	C.L.
	2:00 PM	N	N	Y	Y	N	N	N	
11/7	6:00 AM	N	N	Y	Y	N	N	N	C.L.
	7:30 PM	N	N	Y	Y	N	N	N	
11/07	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 11/8	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
11/8	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
11/9	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
11/9	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/10	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
11/10	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/11	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
11/11	9:06 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
11/12	7:52 AM	N	N	Y	Y	N	N	N	A.H.
	7:30 PM	N	N	Y	Y	N	N	N	A.H.
11/12	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
11/13	6:00 AM	N	N	Y	Y	N	N	N	A.H.
	7:53 PM	N	N	Y	Y	N	N	N	A.H.
11/13	9:06 AM	N	N	Y	Y	N	N	N	A.H.
	1:09 PM	N	N	Y	Y	N	N	N	C.L.
11/14	6:30 AM	N	N	Y	Y	N	N	N	C.L.
	7:35 PM	N	N	Y	Y	N	N	N	A.H.
11/14	9:06 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
									C.L.

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/11	6:00 AM	N	N	Y	Y	N	N	N	JH
	7:30 PM	N	N	Y	Y	N	N	N	
11/15	9:00 AM	N	N	Y	N	N	N	N	C.L.
	1:00 PM	N	N	Y	N	N	N	N	
11/16	6:00 AM	N	N	Y	Y	N	N	N	JH
	8:00 PM	N	N	Y	Y	N	N	N	
11/16	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
11/17	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	
11/17	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/18	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
11/18	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/19	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
11/19	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/20	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	7:30 PM	N	N	Y	Y	N	N	N	
11/20	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/21	6:00 AM	N	N	Y	Y	N	N	N	A.H.
	9:00 AM	N	N	Y	Y	N	N	N	
11/21	11:30 AM	N	N	Y	Y	N	N	N	C.L.
	7:30 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
11/22	6:00 AM	N	N	Y	Y	N	N	N	JH
	7:30 PM	N	N	Y	Y	N	N	N	JH
11/22	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
11/23	6:00 AM	N	N	Y	Y	N	N	N	JH
	7:30 PM	N	N	Y	Y	N	N	N	JH
11/23	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
11/24	6:00 AM	N	N	Y	Y	N	N	N	JH
	8:00 PM	N	N	Y	Y	N	N	N	JH
11/24	9:00 AM	N	N	N	Y	N	N	N	C.L.
	1:00 PM	N	N	N	Y	N	N	N	C.L.
11/25	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	C.L.

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
11/25	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/26	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
11/26	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/27	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
11/27	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
11/28	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	7:30 PM	N	N	Y	Y	N	N	N	
11/28	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
11/29	6:00 AM	N	N	Y	Y	N	N	N	JH
	7:30 PM	N	N	Y	Y	N	N	N	
11/29	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
11/30	6:00 AM	N	N	Y	Y	N	N	N	JH
	7:30 PM	N	N	Y	Y	N	N	N	
11/30	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
X	AM								
	PM								
X	AM								
	PM								
X	AM								
	PM								

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
11/1	7:00 AM	N	N	N	N	Y	NA	RE
	3:00 PM	N	N	N	N	Y	NA	RE
11/1	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/2	7:00 AM	N	N	N	N	Y	NA	RE
	3:00 PM	N	N	N	N	Y	NA	RE
11/2	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/3	7:00 AM	N	N	N	N	Y	NA	RE
	3:00 PM	N	N	N	N	Y	NA	RE
11/3	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/4	7:00 AM	N	N	N	N	Y	NA	RE
	3:00 PM	N	N	N	N	Y	NA	RE

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
11/4	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/5	6:30 AM	N	N	N	N	Y	NA	ST
	7:30 PM	N	N	N	N	Y	NA	ST
11/05	9:00 AM	Y	Y	N	N	Y PL SK	Called Inland for oil recovery oil recovered NA oil	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/6	6:00 AM	N	N	N	N	Y	NA	ST
	7:30 PM	N	N	N	N	Y	NA	ST
11/6	9:30 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/7	6:00 AM	N	N	N	N	Y	NA	ST
	7:30 PM	N	N	N	N	Y	NA	ST
11/07	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
11/8	6:00 AM	N	N	N	N	Y	NA	ST
	8:00 PM	N	N	N	N	Y	NA	RE
11/8	6:00 AM	N	N	N	N	Y	NA	C.L.
	8:00 PM	N	N	N	N	Y	NA	CH
11/9	6:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
11/9	9:00 AM	Y	Y	N	N	PAI - SOUTH LAGOON/SLUDGE POND	SUPERVISOR NOTIFIED N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/10	6:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
11/10	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/11	6:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
11/11	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/12	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:30 PM	N	N	N	N	Y	NA	[Signature]
11/12	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/13	6:00 AM	N	N	N	N	Y	NA	[Signature]
	7:30 PM	N	N	N	N	Y	NA	[Signature]
11/13	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/14	6:30 AM	N	N	N	N	Y	NA	[Signature]
	7:30 PM	N	N	N	N	Y	NA	[Signature]
11/14	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
11/15/2012	8:00 AM	N	N	N	N	Y	NA	ST
	1:30 PM	N	N	N	N	Y	NA	ST
11/15	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/16	8:00 AM	N	N	N	N	Y	NA	ST
	3:00 PM	N	N	N	N	Y	NA	ST
11/16	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/17	8:00 AM	N	N	N	N	Y	NA	ST
	3:00 PM	N	N	N	N	Y	NA	ST
11/17	9:00 AM	N	N	N	N	Y	NA	A.H.
	1:00 PM	N	N	N	N	Y	NA	A.H.
11/18	8:00 AM	N	N	N	N	Y	NA	ST
	3:00 PM	N	N	N	N	Y	NA	ST

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
11/18	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/19	7:00 AM	N	N	N	N	Y	NA	CH
	8:00 PM	N	N	N	N	Y	NA	CH
11/19	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/20	7:00 AM	N	N	N	N	Y	NA	CH
	7:30 PM	N	N	N	N	Y	NA	CH
11/20	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/21	6:00 AM	N	N	N	N	Y	NA	CH
	9:00 PM	N	N	N	N	Y	NA	CH
11/21	7:30 AM	N	N	N	N	Y	NA	C.L.
	7:30 PM	N	N	N	N	Y	NA	CH

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
11/22	8:00 AM	N	N	N	N	Y	NA	JA
	1:30 PM	N	N	N	N	Y	NA	JA
11/22	8:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/23	8:00 AM	N	N	N	N	Y	NA	JA
	1:30 PM	N	N	N	N	Y	NA	JA
11/23	8:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/24	8:00 AM	N	N	N	N	Y	NA	JA
	1:00 PM	N	N	N	N	Y	NA	JA
11/24	8:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/25	8:00 AM	N	N	N	N	Y	NA	JA
	8:00 PM	N	N	N	N	Y	NA	JA

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
11/25	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/26	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
11/26	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/27	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
11/27	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
11/28	7:00 AM	N	N	N	N	Y	NA	RC
	7:30 PM	N	N	N	N	Y	NA	RC
11/28	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
11/29	6:00 AM	N	N	N	N	Y	NA	ST
	7:30 PM	N	N	N	N	Y	NA	ST
11/29	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
11/30	6:00 AM	N	N	N	N	Y	NA	ST
	7:30 PM	N	N	N	N	Y	NA	ST
11/30	9:00 AM	Y	N	N	N	PP Dikeymeth e.l.	Notified Toland. NA e.l.	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
✓	AM							
	PM							
X	AM							
	PM							
X	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).



MID 087738431

November 15, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: October 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The October monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the October wildlife survey report by MEC Environmental Consulting, and the operators' inspection logs. A Belted Kingfisher carcass was found on the lower slope of the west central bank of the Primary Lagoon on October 17, 2012. The carcass was thinly covered in oil, which did not exhibit the characteristics of oil or oily sludge at the SRWWTP. The carcass will be discussed in a separate report.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,

James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
October 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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Inspection Summary and Report Sheets	Appendix B

**CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT**

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period October 1 through October 31, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

A Wildlife Survey was conducted on October 17, 2012 and a copy of the report is provided in Appendix A. Inspection reports show seasonal activities observed in the general area, and no significant issues at the site were identified. Except, A Belted Kingfisher carcass was found on the lower slope of the west central bank of the Primary Lagoon. The carcass was thinly covered in oil, which did not exhibit the characteristics of oil or oily sludge at the SRWWTP. The carcass will be discussed in a separate report.

On several occasions of black birds, blue herons, killdeer, red wing, and robins were observed using one of the treatment plant impoundments, and were scared off with the air horns. The birds flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

The summary of daily inspection findings is provided in Appendix B. Copies of the inspection reports are also provided in Appendix B. No repetitive use of the treatment ponds and lagoons was observed in the October inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in October. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures

taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in October 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In October, there were observations of black birds, blue herons, killdeer, red wing, and robins overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix B.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of October 2012.

APPENDIX A

Wildlife Survey

MEC ENVIRONMENTAL CONSULTING

VIA COURIER

November 14, 2012

Mr. James E. Earl
Severstal Dearborn, LLC.
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

**Subject: Schaefer Road Wastewater Treatment Plant: 2012 Wildlife Survey #6
(P. N. 00330)**

Dear Jim:

I am very pleased to present the enclosed letter report for the subject project in partial fulfillment of your Purchase Order No. 592351. This survey constitutes the monthly bird survey in accordance with your Continuing Emergency Measures (CEM) Workplan in response to EPA Administrative Order Docket No. R7003-5-00-001.

The October survey was completed on Wednesday, October 17, 2012. A total of 45 sets of five-minute observations was made from 05:30 to 20:23 at five different stations located at significant vantage points at the Schaefer Road Wastewater Treatment Plant (SRWWTP). Observations were made at this frequency in order to ensure a complete and scientifically sound inventory, to ensure quality assurance of the data collected, and to evaluate allegations of wildlife utilization of the impoundments. Observations were both visual and aural. Visual observations were made using Zeiss FL T* 10 x 42 power binoculars. The location of the five stations designated by MEC Environmental Consulting, which have been used in previous surveys and will continue to be used in subsequent surveys, is presented in the first enclosed table.

Weather conditions varied slightly over the period, and were influenced primarily by a strong, advancing low pressure system centered over Manitoba with a warm front extending southeast through the upper Midwest and a cold front extending south through the Dakotas and then west through the central western states, as well as a large but retreating high pressure system centered over the Atlantic coast. Barometric pressure, based on radio-broadcast readings from Detroit Metro Airport, was 29.73 in.-Hg and falling at 05:00, 29.73 in.-Hg and steady at 05:00 and 10:00, 29.72 in.-Hg and falling at noon, 29.69 in.-Hg and falling at 13:00, 29.63 in.-Hg and falling at 17:00, 29.61 in.-Hg and steady at 19:00, and 29.63 in.-Hg and rising at 20:00. Relative humidity, also based on radio broadcast National Weather Service data, was 66% at 06:00, 69% at 10:00, 50% at noon, 45% at 13:00, 42% at 17:00, 46% at 19:00 and 20:00. Sky conditions ranged from cloudy to mostly cloudy in the morning except for a brief period of partly cloudy skies around 09:00, and partly cloudy to mostly clear until around 16:00, and then mostly cloudy for the remainder of the period. Temperatures ranged from 55° F at 05:12, to 56° F around 06:26, 06:35, 09:00, and 09:33, to 61° F around 10:20, to

66° F around 11:28 and 12:38, to 69° F at 13:12, to approximately 72° F around 14:00, and then to 71° F at 17:25, and to 67° F around 20:00. Winds were generally out of the south in the morning but shifted to out of the southeast around 06:35 and around 10:20, and out of the southwest around 07:00 for approximately 1-2 hours and then around 10:50. Winds were generally out of the south-southwest in the afternoon, except briefly out of the west-southwest, and out of the south during the evening. Wind speed varied considerably from approximately 5-10 mph until around 11:00, except for brief, almost calm conditions around 06:00, to approximately 10-15 mph until around 13:00, to approximately 15-25 mph with gusts to 35 mph until around for the remainder of the period. There were brief periods of drizzle around 05:38 and 05:59. Light rain began to fall around 20:55. Sunrise was at 07:49; sunset was at 18:48.

A total of 17 bird species was observed within the fenceline of the SRWWTP. This species total is 8 species less than the 2000-2011 October mean of 25. It should be noted that the 2011 October wildlife survey was conducted on the same day under very similar weather conditions (except 10 degrees cooler) and 29 species were observed. It should be emphasized that only 11 of the 17 species observed were found outside the bermed area, and of these 11 only 8 species were observed on the ground or in vegetation (i.e., were not flying over the facility). Only one individual was observed at the water's edge of a pond or lagoon. No birds or only one bird were observed during 20 of the 45 point counts conducted. This information indicates that the habitat modifications and deterrents in-place at the SRWWTP are effective.

One non-human mammalian species was observed during the survey: Eastern Cottontail (*Sylvilagus floridanus*). At 05:32 six Eastern Cottontails was observed by 6 million candlepower spotlight to forage in the grass at the south end of the SRWWTP near the south perimeter fence. At 06:59 one individual was observed to forage in the same area south of the East Sludge Pond.

One reptilian species was observed during the survey: Painted Turtle (*Chrysemys picta*). At 15:37 one individual was observed at the water's edge of the north bank of the Diked Lagoon approximately 35 feet east of the northwest corner. This individual was viewed through binoculars from the top of the north bank of the Diked Lagoon. The carapace appeared to be soiled a dull black such that the scutes were not evident. The head and legs appeared to glisten in the sunlight, suggesting the presence of oil on the turtle. The animal, however, ran very quickly into the water when it detected the wildlife specialist.

One amphibian species was observed during the survey: probable Green Frog (*Rana clamitans*). At 13:32 six probable Green Frogs were observed to jump into the water from the water's edge at the southwest corner of the East Sludge Pond immediately southeast of the Brill skimmer. At 13:35 two probable Green Frogs were observed to jump into the water from the water's edge at the southwest end of the West Sludge Pond. At 13:52 approximately ten probable Green Frogs were observed to jump into the water at the northwest corner of the West Sludge Pond. Only one of these animals was briefly viewed in part (head) through binoculars. This frog did not appear to be oiled, and oil was not observed at the edges of the Sludge Ponds where frogs were

observed.

The entire shoreline of each impoundment was systematically checked at least once during the day. Only the shorelines of the Primary Lagoon (except the north end under the net), Diked Lagoon, sludge ponds (except for the inaccessible west side of the West Sludge Pond) and the south side of the Secondary Lagoon, however, were walked due to steep slopes of the rest of the impoundments. The shorelines of these impoundments not walked were searched from top of grade and other angles using binoculars. Animal sign observed during this search is summarized in the third enclosed table. Photographs, including those of animal sign, are enclosed.

One fresh carcass of a Belted Kingfisher (*Ceryle alcyon*) was found on the lower slope of the west central bank of the Primary Lagoon. The carcass was thinly covered in oil, which did not exhibit the characteristics of oil or oily sludge at the SRWWTP. This carcass will be discussed subsequently in a separate report.

If you have any questions regarding this report please call me at (248) 585-3800. Thank you for choosing MEC Environmental Consulting for your wildlife management needs.

Sincerely yours,

MEC ENVIRONMENTAL CONSULTING



Michael E. Carlson
Principal

enclosures

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

BIRD SURVEY STATIONS

No.	Location	Vantage Point for
1	Between East and West Sludge Ponds, on the south side, between the two guard rails	East Sludge Pond West Sludge Pond South Clarifier (part)
2	East side of Secondary Lagoon at north end of guard rail opposite the North Clarifier	Secondary Lagoon North Clarifier (most)
3	South central end of Primary Lagoon just east of weather station	Primary Lagoon
4	Southeast corner of Diked Lagoon	Diked Lagoon Secondary Lagoon (except S end) Primary Lagoon
5	South Central Side of Bermed Area*	Bermed area*, except west end (including dogleg) Diked Lagoon

* not a wastewater treatment pond or lagoon

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

BIRD SURVEY RESULTS

Wednesday, October 17, 2012

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Common Loon	<i>Gavia immer</i>								
Pied-billed Grebe	<i>Podilymbus podiceps</i>								
Horned Grebe	<i>Podiceps auritus</i>								
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	1	X		X				1, 2, 3, 4
American Bittern	<i>Botaurus lentiginosus</i>								
Great Blue Heron *	<i>Ardea herodias</i>	2						X	2, 3, 5, 6
Great Egret *	<i>Ardea alba</i>								
Snowy Egret	<i>Egretta thula</i>								
Green Heron *	<i>Butorides virescens</i>								
Black-crowned Night-Heron *	<i>Nycticorax nycticorax</i>								
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>								
Glossy Ibis	<i>Plegadis falcinellus</i>								
Turkey Vulture	<i>Cathartes aura</i>								
Snow Goose	<i>Chen caerulescens</i>								
Cackling Goose	<i>Branta hutchinsii</i>								
Canada Goose *	<i>Branta canadensis</i>								
Mute Swan *	<i>Cygnus olor</i>								
Tundra Swan	<i>Cygnus columbianus</i>								
Wood Duck *	<i>Aix sponsa</i>								
Gadwall	<i>Anas strepera</i>								
American Wigeon	<i>Anas americana</i>								
American Black Duck *	<i>Anas rubripes</i>								
Mallard *	<i>Anas platyrhynchos</i>								
Blue-winged Teal *	<i>Anas discors</i>								
Northern Shoveler	<i>Anas clypeata</i>								
Northern Pintail	<i>Anas acuta</i>								
Green-winged Teal	<i>Anas crecca</i>								
Canvasback	<i>Aythya valisineria</i>								
Redhead	<i>Aythya americana</i>								
Ring-necked Duck	<i>Aythya collaris</i>								
Greater Scaup	<i>Aythya marila</i>								
Lesser Scaup	<i>Aythya affinis</i>								
Long-tailed Duck	<i>Clangula hyemalis</i>								
Bufflehead	<i>Bucephala albeola</i>								
Common Goldeneye	<i>Bucephala clangula</i>								
Hooded Merganser	<i>Lophodytes cucullatus</i>								
Red-breasted Merganser	<i>Mergus serrator</i>								
Common Merganser	<i>Mergus merganser</i>								
Ruddy Duck	<i>Oxyura jamaicensis</i>								
Osprey	<i>Pandion haliaetus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Bald Eagle	<i>Haliaeetus leucocephalus</i>								
Northern Harrier	<i>Circus cyaneus</i>								
Sharp-shinned Hawk	<i>Accipiter striatus</i>								
Cooper's Hawk *	<i>Accipiter cooperii</i>								
Broad-winged Hawk	<i>Buteo platypterus</i>								
Red-tailed Hawk *	<i>Buteo jamaicensis</i>	1						X	1, 2, 3, 7
Rough-legged Hawk	<i>Buteo lagopus</i>								
American Kestrel *	<i>Falco sparverius</i>	1					X	X	1, 2, 3, 8
Merlin	<i>Falco columbarius</i>								
Peregrine Falcon	<i>Falco peregrinus</i>								
Ring-necked Pheasant *	<i>Phasianus colchicus</i>								
Northern Bobwhite *	<i>Colinus virginianus</i>								
Virginia Rail	<i>Rallus limicola</i>								
Sora	<i>Porzana carolina</i>								
Common Gallinule	<i>Gallinula galeata</i>								
American Coot	<i>Fulica americana</i>								
Black-bellied Plover	<i>Pluvialis squatarola</i>								
American Golden-Plover	<i>Pluvialis dominica</i>								
Semipalmated Plover	<i>Charadrius semipalmatus</i>								
Killdeer *	<i>Charadrius vociferus</i>	10	X		X	X	X	X	2, 3, 5, 9
Greater Yellowlegs	<i>Tringa melanoleuca</i>								
Lesser Yellowlegs	<i>Tringa flavipes</i>								
Solitary Sandpiper	<i>Tringa solitaria</i>								
Spotted Sandpiper *	<i>Actitis macularius</i>								
Whimbrel	<i>Numenius phaeopus</i>								
Ruddy Turnstone	<i>Arenaria interpres</i>								
Red Knot	<i>Calidris canutus</i>								
Sanderling	<i>Calidris alba</i>								
Semipalmated Sandpiper	<i>Calidris pusilla</i>								
Western Sandpiper	<i>Calidris mauri</i>								
Least Sandpiper	<i>Calidris minutilla</i>								
White-rumped Sandpiper	<i>Calidris fuscicollis</i>								
Baird's Sandpiper	<i>Calidris bairdii</i>								
Pectoral Sandpiper	<i>Calidris melanotos</i>								
Dunlin	<i>Calidris alpina</i>								
Short-billed Dowitcher	<i>Limnodromus griseus</i>								
Wilson's Snipe	<i>Gallinago delicata</i>								
American Woodcock *	<i>Scolopax minor</i>								
Wilson's Phalarope	<i>Phalaropus tricolor</i>								
Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>								
Ring-billed Gull *	<i>Larus delawarensis</i>								
Herring Gull *	<i>Larus argentatus</i>	1						X	1, 2, 3, 10
Thayer's Gull	<i>Larus thayeri</i>								
Glaucous Gull	<i>Larus hyperboreus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Great Black-backed Gull	<i>Larus marinus</i>								
Caspian Tern	<i>Hydroprogne caspia</i>								
Common Tern *	<i>Sterna hirundo</i>								
Forster's Tern *	<i>Sterna forsteri</i>								
Black Tern *	<i>Chlidonias niger</i>								
Rock Pigeon *	<i>Columba livia</i>								
Mourning Dove *	<i>Zenaida macroura</i>								
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>								
Eastern Screech Owl *	<i>Megascops asio</i>								
Great Horned Owl *	<i>Bubo virginianus</i>								
Snowy Owl	<i>Bubo scandiacus</i>								
Short-eared Owl	<i>Asio flammeus</i>								
Common Nighthawk	<i>Chordeiles minor</i>								
Chimney Swift *	<i>Chaetura pelagica</i>								
Ruby-throated Hummingbird *	<i>Archilochus colubris</i>								
Belted Kingfisher *	<i>Ceryle alcyon</i>								
Red-headed Woodpecker *	<i>Melanerpes erythrocephalus</i>								
Red-bellied Woodpecker *	<i>Melanerpes carolinus</i>								
Downy Woodpecker *	<i>Picoides pubescens</i>	5	X					X	2, 3, 5, 11, 12
Hairy Woodpecker *	<i>Picoides villosus</i>								
Northern Flicker *	<i>Colaptes auratus</i>								
Eastern Wood-Pewee *	<i>Contopus virens</i>								
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>								
Alder Flycatcher	<i>Empidonax alnorum</i>								
Willow Flycatcher *	<i>Empidonax traillii</i>								
Least Flycatcher *	<i>Empidonax minimus</i>								
Eastern Phoebe	<i>Sayornis phoebe</i>								
Great Crested Flycatcher *	<i>Myiarchus crinitus</i>								
Eastern Kingbird *	<i>Tyrannus tyrannus</i>								
White-eyed Vireo	<i>Vireo griseus</i>								
Blue-headed Vireo	<i>Vireo solitarius</i>								
Yellow-throated Vireo *	<i>Vireo flavifrons</i>								
Warbling Vireo *	<i>Vireo gilvus</i>								
Philadelphia Vireo	<i>Vireo philadelphicus</i>								
Red-eyed Vireo *	<i>Vireo olivaceus</i>								
Blue Jay *	<i>Cyanocitta cristata</i>								
American Crow *	<i>Corvus brachyrhynchos</i>								
Horned Lark	<i>Eremophila alpestris</i>								
Purple Martin *	<i>Progne subis</i>								
Tree Swallow *	<i>Tachycineta bicolor</i>								
Northern Rough-winged Swallow*	<i>Stelgidopteryx serripennis</i>								
Bank Swallow *	<i>Riparia riparia</i>								
Barn Swallow *	<i>Hirundo rustica</i>								
Cliff Swallow *	<i>Petrochelidon pyrrhonota</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Black-capped Chickadee *	<i>Poecile atricapillus</i>	1						X	2, 3, 5, 11
Tufted Titmouse *	<i>Baeolophus bicolor</i>								
Red-breasted Nuthatch	<i>Sitta canadensis</i>								
White-breasted Nuthatch *	<i>Sitta carolinensis</i>								
Brown Creeper	<i>Certhia americana</i>								
Carolina Wren *	<i>Thryothorus ludovicianus</i>								
House Wren *	<i>Troglodytes aedon</i>								
Winter Wren	<i>Troglodytes hiemalis</i>								
Sedge Wren	<i>Cistothorus platensis</i>								
Marsh Wren	<i>Cistothorus palustris</i>								
Blue-gray Gnatcatcher	<i>Poliophtila caerulea</i>								
Golden-crowned Kinglet	<i>Regulus satrapa</i>								
Ruby-crowned Kinglet	<i>Regulus calendula</i>								
Eastern Bluebird	<i>Sialia sialis</i>								
Veery	<i>Catharus fuscescens</i>								
Gray-cheeked Thrush	<i>Catharus minimus</i>								
Swainson's Thrush	<i>Catharus ustulatus</i>								
Hermit Thrush	<i>Catharus guttatus</i>								
Wood Thrush *	<i>Hylocichla mustelinus</i>								
American Robin *	<i>Turdus migratorius</i>	44	X		X	X	X	X	2, 3, 5, 13
Gray Catbird *	<i>Dumetella carolinensis</i>								
Northern Mockingbird	<i>Mimus polyglottos</i>								
Brown Thrasher *	<i>Toxostoma rufum</i>								
European Starling *	<i>Sturnus vulgaris</i>	253	X		X	X		X	2, 3, 14, 15
American Pipit	<i>Anthus rubescens</i>								
Cedar Waxwing *	<i>Bombycilla cedrorum</i>								
Blue-winged Warbler	<i>Vermivora cyanoptera</i>								
Golden-winged Warbler	<i>Vermivora chrysoptera</i>								
Tennessee Warbler	<i>Oreothlypis peregrina</i>								
Orange-crowned Warbler	<i>Oreothlypis celata</i>								
Nashville Warbler *	<i>Oreothlypis ruficapilla</i>								
Northern Parula	<i>Setophaga americana</i>								
Yellow Warbler *	<i>Setophaga petechia</i>								
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>								
Magnolia Warbler	<i>Setophaga magnolia</i>								
Cape May Warbler	<i>Setophaga tigrina</i>								
Black-throated Blue Warbler	<i>Setophaga virens</i>								
Yellow-rumped Warbler	<i>Setophaga coronata</i>	7			X			X	2, 3, 5, 16
Black-throated Green Warbler	<i>Setophaga virens</i>								
Pine Warbler	<i>Setophaga pinus</i>								
Prairie Warbler	<i>Setophaga discolor</i>								
Palm Warbler	<i>Setophaga palmarum</i>								
Bay-breasted Warbler	<i>Setophaga castanea</i>								
Blackpoll Warbler	<i>Setophaga striata</i>	2	X		X				2, 3, 5, 17

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Cerulean Warbler	<i>Setophaga cerulea</i>								
Black-and-white Warbler	<i>Mniotilta varia</i>								
American Redstart	<i>Setophaga ruticilla</i>								
Prothonotary Warbler	<i>Protonotaria citrea</i>								
Ovenbird *	<i>Seiurus aurocapilla</i>								
Northern Waterthrush	<i>Parkesia noveboracensis</i>								
Mourning Warbler *	<i>Geothlypis philadelphia</i>								
Common Yellowthroat *	<i>Geothlypis trichas</i>								
Wilson's Warbler	<i>Cardellina pusilla</i>								
Canada Warbler	<i>Cardellina canadensis</i>								
Yellow-breasted Chat	<i>Icteria virens</i>								
Scarlet Tanager *	<i>Piranga olivacea</i>								
Eastern Towhee *	<i>Pipilo erythrophthalmus</i>								
American Tree Sparrow	<i>Spizella arborea</i>								
Chipping Sparrow *	<i>Spizella passerina</i>								
Field Sparrow *	<i>Spizella pusilla</i>								
Vesper Sparrow *	<i>Poocetes gramineus</i>								
Savannah Sparrow *	<i>Passerculus sandwichensis</i>								
Grasshopper Sparrow	<i>Ammodramus savannarum</i>								
Henslow's Sparrow	<i>Ammodramus henslowii</i>								
Fox Sparrow	<i>Passerella iliaca</i>								
Song Sparrow *	<i>Melospiza melodia</i>	12	X		X		X	X	5, 18
Lincoln's Sparrow	<i>Melospiza lincolnii</i>								
Swamp Sparrow *	<i>Melospiza georgiana</i>	2						X	2, 3, 5, 11
White-throated Sparrow	<i>Zonotrichia albicollis</i>								
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	2	X					X	2, 3, 5, 11, 19
Dark-eyed Junco	<i>Junco hyemalis</i>								
Lapland Longspur	<i>Calcarius lapponicus</i>								
Snow Bunting	<i>Plectrophenax nivalis</i>								
Northern Cardinal *	<i>Cardinalis cardinalis</i>	1						X	2, 3, 11
Rose-breasted Grosbeak *	<i>Pheucticus ludovicianus</i>								
Indigo Bunting *	<i>Passerina cyanea</i>								
Dickcissel	<i>Spiza americana</i>								
Bobolink *	<i>Dolichonyx oryzivorus</i>								
Red-winged Blackbird *	<i>Agelaius phoeniceus</i>	170			X			X	2, 3, 5, 20
Eastern Meadowlark *	<i>Sturnella magna</i>								
Rusty Blackbird	<i>Euphagus carolinus</i>								
Common Grackle *	<i>Quiscalus quiscula</i>								
Brown-headed Cowbird *	<i>Molothrus ater</i>								
Orchard Oriole *	<i>Icterus spurius</i>								
Baltimore Oriole *	<i>Icterus galbula</i>								
Purple Finch	<i>Haemorhous purpureus</i>								
House Finch *	<i>Haemorhous mexicanus</i>								
Red Crossbill	<i>Loxia curvirostra</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
White-winged Crossbill *	<i>Loxia leucoptera</i>								
Common Redpoll	<i>Acanthis flammea</i>								
Pine Siskin *	<i>Spinus pinus</i>								
American Goldfinch *	<i>Spinus tristis</i>								
Evening Grosbeak	<i>Coccothraustes vespertinus</i>								
House Sparrow *	<i>Passer domesticus</i>								
SPECIES TOTAL		17							

LEGEND

Number means the maximum total observed within the fenceline at the facility; effort was made to avoid any double-counting.

* Indicates species known or suspected to breed in the general area encompassing the site based on generalized state maps (showing county boundaries) presented in "The Atlas of Breeding Birds of Michigan" by R. Brewer et al. (MSU Press: East Lansing, 1991). It should be emphasized that many of the species indicated as breeding birds have specific habitat requirements that are not met by the industrial environment at the Schaefer Road Wastewater Treatment Plant (SRWWTP) and the surrounding area. Thus, species marked with an asterisk above should not be assumed to breed at or even adjacent to the SRWWTP.

Species list adapted from "Bird Checklist of Michigan" (Thayer's Birding Software, 1999) considering habitat provided by site and immediately surrounding areas. Nomenclature is based on the 53rd Supplement to the American Ornithologists' Union "Checklist of North American Birds" (2012).

Bird data collected at five different stations over five-minute intervals throughout the day. Survey performed by Michael Carlson from 5:30 AM to 8:00 PM.

X indicates observations made. It should be emphasized that "X" means that the species was observed within the fenceline of the SRWWTP in proximity to the particular impoundment and, unless otherwise noted, not on or in contact with the water or immediately adjacent to the water at a particular impoundment. In many cases, the species was observed flying over the pond, sometimes higher than 200 feet.

Impoundment Designations:

- L Sludge Ponds
- C Clarifiers
- S Secondary Lagoon
- P Primary Lagoon
- D Diked Lagoon

Other Area Designations:

- B Bermed Area

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1. Individual(s) observed flying over the SRWWTP.
2. Individual(s) showed no interest in water surfaces of the SRWWTP wastewater treatment ponds and lagoons.
3. Individual(s) was not observed at or near the water's edge of any of the wastewater treatment ponds and lagoons.
4. At 11:44 one probable adult was observed to fly directly northwest over the Sludge Ponds and the south end of the Secondary Lagoon at an estimated height of approximately 100-120 feet above ground surface before exiting the SRWWTP.
5. Individual(s) likely recently arrived migrant(s) or still in the process of migration.
6. Around 09:44 one adult was observed to fly north over the dogleg of the bermed area at an estimated height of 50-70 feet above ground surface. As it approached the north end of the dogleg, the bird was observed to turn momentarily east and then west and to descend into a cottonwood at the west end of the bermed area proper. Around 18:55 presumably a different individual was observed to call once and to fly north over the dogleg of the bermed area. At the north end of the dogleg the bird was observed to make a U-turn and to fly south and to land in a cottonwood at the east central edge of the dogleg of the bermed area. The same bird was observed perched in the cottonwood around 19:02. These individuals were viewed through binoculars albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on either individual. It should be noted that oil would likely have been apparent on the birds due to the pale gray neck and whitish face and whitish marginal coverts which are characteristic of this species.
7. Around 18:12 one adult was observed to hunt as it flew south over the Rouge River floodplain west of the SRWWTP at an estimated height over approximately 150 feet above ground surface. The bird was observed to glide east to the west edge of the bermed area at the same altitude before continuing southwest and exiting the SRWWTP. This individual was viewed through binoculars albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would likely have been apparent on this bird due to the whitish throat, breast, vent, undertail coverts, and underwing coverts as well as the light red coloration of the tail which generally characterize the adult plumage of this species.
8. At 11:00 one individual was observed to call as it quickly flew east over the dogleg of the bermed area and over the Diked Lagoon. Around 11:03 presumably the same individual was observed to fly west over the bermed area proper at an estimated height of approximately 50-60 feet above ground surface. This individual was viewed briefly through the naked eye and binoculars. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would likely have been apparent, due to the white patches on the head, white vent, and white undertail coverts as well as the pale gray-brown underparts of the bird that characterize the plumage of this species.
9. Around 05:38 two individuals were observed to call from what sounded like the plain west of the Primary Lagoon. Around 05:49 one individual was observed to immediately alarm call from the road north of the Primary Lagoon when the wildlife specialist turned on the 6 million candle-power spotlight on top of the southeast slope of the Diked Lagoon at Station No. 4. At 05:58 one individual was observed to call and to fly north over the Diked Lagoon and bermed area proper at an estimated height of approximately 30-50 feet above ground surface. Around 05:59 one individual was observed to call from what sounded like the plain west of the Primary Lagoon. At 06:09 three individuals were observed to alarm call and flush from the plain west of the Primary Lagoon due presumably to the approach of the wildlife specialist. Around 06:26 two individuals were observed to rest in the grass immediately north of the south perimeter fence. After being spot lit the birds alarm called and apparently flew off because they were not seen during the second sweep of the spotlight. At 19:23 one

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individual was observed to fly south over the bermed area proper and Diked Lagoon. Seconds later the Diked Lagoon propane cannon fired and presumably the same bird was observed to fly north. At 19:26 one individual was observed to call from what sounded like the main north-south road between the Primary and Secondary Lagoons. Around 19:35 one individual was observed to call as it flew south-southeast over the bermed area proper and the Diked Lagoon at an estimated height of approximately 80-100 feet above ground surface. Seconds later a different individual was observed to call from what sounded like the airspace over the plain west of the Primary Lagoon. Only two or three individuals were actually seen but only viewed through the naked eye, not binoculars- two at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on either of these individuals. It should be noted that any oil would likely have been apparent on these birds, due to the white eyebrow (adult only), forehead, throat, collar (adult only), lower breast (adult only), belly, vent, wing stripe, tail tip, and underwing coverts that characterize the plumage of this species.

10. At 0759 one third or fourth year individual was observed to fly west over the bermed area proper at an estimated height of approximately 100-150 feet above ground surface. This individual was viewed very briefly through the naked eye and binoculars. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would likely have been very apparent on especially the third and fourth year adults, due to the birds' prominent white plumage on the head, breast, belly, and underwing.
11. Individual heard, but not seen.
12. Around 08:10 one individual was observed to call from the bermed area proper. At 08:24 one individual was observed to call from the dogleg of the bermed area. Around 09:53 presumably a different individual was observed to call from the dogleg of the bermed area. Around 10:20 one individual was observed to call from what sounded like the trees along the east perimeter fence south of the southeast gate east of the East Sludge Pond. Around 11:03 presumably a different individual was observed to call from the bermed area proper.
13. Around 08:18, 08:24, and 18:12 one individual was observed to call from the bermed area. Around 08:31 one individual was observed to call from the bermed area, and presumably a different individual was observed to call from the airspace over the Diked Lagoon. Around 08:51 four individuals were observed to forage in the grass near the east perimeter fence south of the southeast gate. Around 09:53 two individuals were observed to call from the bermed area, and presumably a different individual was observed to fly south over the bermed area proper and Diked Lagoon at an estimated height of approximately 80-100 above ground surface. This individual was observed to flinch in response to the Diked Lagoon propane cannon firing, and was observed over the north side of the Diked Lagoon to re-direct its flight to the east. At 10:01 three individuals were observed to call from the dogleg of the bermed area. Around 11:03 two individuals were observed to fly south over the bermed area proper and then to make a U-turn and to dive into the bermed area proper. At 16:54 two individuals were observed to forage in the grass outside the Primary Lagoon fence near the southeast corner of the fence. Both birds were observed to flush and to fly east in response to the Inland Waters vactor approaching. Seconds later five additional individuals were observed to flush from the top of the southeast bank of the Primary Lagoon (at least two from inside the fence) and to fly east. Approximately 10 to 20 seconds later all seven individuals were observed to fly back west. One of the birds was observed to land on top of the east side of the Primary Lagoon fence approximately 25 feet north of the southeast gate. A second bird was observed to forage in the grass at the top of the west central bank of the Secondary Lagoon. At 16:59 a group of 11 individuals was observed to forage in the grass of the plain south of the Primary Lagoon near the Primary Lagoon fence. Around the same time four individuals were observed to fly west over the south end of the Primary Lagoon at an estimated height of approximately 15-25 feet above ground surface, and two individuals were observed to rest atop the south end of the Primary Lagoon fence. At 18:04 one individual was observed to rest atop the blue drum near the west perimeter fence opposite the center of the plain west of the Primary Lagoon. At 18:06 four individuals were observed to forage in the plain west of the Primary Lagoon. Around 17:52 one individual was observed to call from the airspace over the Primary Lagoon. Around 19:02 one individual was observed to call from the bermed

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area, and presumably a different individual was observed to call from the airspace over the Diked Lagoon. Several of these individuals were viewed through both the naked eye and binoculars at close range. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that oil would likely have been apparent on these birds, due to the yellow bill, orangish breast and belly, white undertail coverts and white tail spots which are characteristic of the plumage of this species.

14. Not a protected migratory bird.
15. Around 08:51 one individual was observed to call from the electrical wire over the southeast gate of the east perimeter gate. Approximately 60 seconds later two individuals were observed to forage in the grass near the east perimeter fence south of the southeast gate. Around 09:33 one individual was observed to fly east over the Secondary Lagoon at an estimated height of approximately 150-180 feet above ground surface. Around 09:44 one individual was observed to sing from the bermed area. Around 09:53 a flock of 40 individuals was observed to fly west over the bermed area, some momentarily perching in trees of the bermed area proper before flying on. At the same time 54 individuals were observed to rest in the trees of the bermed area proper. Many of these perched birds were also observed to vocalize. Around 10:39 one individual was observed to rest atop the light on the utility pole at the top of the northeast bank of the Primary Lagoon. Based on the bird's head movements, this individual was also likely singing. Around 10:50 one individual was observed to sing from the bermed area, and a group of 41 individuals was observed to fly south over the dogleg of the bermed area at an estimated height of approximately 20-50 feet above ground surface. At the same time three individuals were observed in a tree in the dogleg of the bermed area. Around 11:03 one individual was observed to fly over the bermed area. Approximately 60-120 seconds later one individual was observed to rest in a tree, and 18 individuals were observed to fly south over the dogleg of the bermed area at an estimated height of approximately 50-60 feet above ground surface. Around 18:12 a group of 26 individuals was observed to fly south over the dogleg of the bermed area at an estimated height of approximately 60-80 feet above ground surface. Around 18:23 one individual was observed to fly over the dogleg of the bermed area at an estimated height of approximately 200-250 feet above ground surface. At the same time 19 individuals were observed to fly south over the dogleg of the bermed area, and three individuals were observed to rest in trees there. Around 18:34 eleven individuals were observed to fly south over the Secondary Lagoon and Sludge Ponds at an estimated height of approximately 80-100 feet above ground surface. Approximately 120-180 seconds later a group of 32 individuals was observed to fly north over the dogleg of the bermed area. Individuals were observed throughout the day to be imitating a variety of species, including Killdeer, Yellow-rumped Warbler, American Robin, and Horned Lark.
16. At 07:57 one individual was observed to call from a pine south of the northeast gate of the west perimeter fence and northeast of the grit chambers. At 08:02 presumably a different individual was observed to call from the bermed area. Around 08:24 two individuals were observed to call from the bermed area proper. At 10:01 presumably a different individual was observed to call from the dogleg of the bermed area. Around 11:03 one individual was observed to forage in a tree at the south central edge of the bermed area proper near Station No. 5. Around 19:02 presumably a different individual was observed to call from the east end of the bermed area proper. Only two individuals were viewed through binoculars albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on either of these individuals. It should be noted that oil would likely have been apparent due to the white broken eye-ring, pale throat and belly, and white wing-bars which characterize the fall plumage of this species.
17. Around 07:46 one individual was observed to call from what sounded like the airspace over the southeast bank of the Secondary Lagoon. Around 10:20 a warbler believed to be a Palm Warbler was observed to call regularly from the trees along the east perimeter fence south of the southeast gate as the wildlife specialist was at Station No. 1. Due to significant noise from the Inland Waters vector operating in the plain south of the Primary Lagoon, the wildlife specialist could not be certain of the identification of the call note. After walking towards the area

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south of the gate, the wildlife specialist at 10:26 heard a Blackpoll Warbler calling and observed the same bird- an immature (first fall bird)- foraging in the pines south of the southeast gate. No Palm Warbler was seen or heard. The bird was observed to give its typical call as well as its alternate, louder, inflected call note which suggests that of Magnolia Warbler. Around 17:34 possibly the individual observed earlier in the morning was observed to call from what sounded like the pines northeast of the northernmost shed north of the north clarifier. Only the one bird was actually seen. This bird was viewed through binoculars for approximately one to two minutes. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that oil would likely have been apparent on this bird due to the white belly and undertail coverts, white wing-bars, pale yellow breast, and light-colored feet which characterize the immature plumage of this species in the fall.

18. At 07:20 two individuals were observed to call from the dogleg of the bermed area: one from the south end and one from the north end. Around 07:25 one individual was observed to call from what sounded like the southwest bank of the Secondary Lagoon near the former skimmer at the west junction of the north and south diagonal booms. Around 07:34 one individual was observed to forage in the grass at the top of the southeast bank of the West Sludge Pond several feet north of the Brill skimmer tank. At 08:06 and around 08:10 one individual was observed to call from what sounded like the east outer slope of the Diked Lagoon. Around 18:18 and 08:24 one individual was observed to call from the bermed area. Around 11:28 presumably the same individual seen at 07:34 was observed to forage in the vegetation at the top of the east slope of the East Sludge Pond immediately north of the Brill skimmer tank. At 12:04 one individual was observed to flush from the northeast bank of the West Sludge Pond approximately 15 feet south of the northeast corner of the lagoon, and to fly south over the West Sludge Pond approximately 1-2 feet above the net. This individual was observed to land on top of the net immediately north of the south aerator for several seconds and then to fly a short distance into the *Phragmites* approximately 5 feet northwest of the Brill skimmer. At the same time another individual was observed to call from what sounded like the southwest bank of the East Sludge Pond immediately north of the Brill skimmer tank. At 13:43 one individual was observed to call and to forage near the base of some *Phragmites* at the water's edge of the north central bank of the West Sludge Pond under the net. Likely in response to the approach of the wildlife specialist, the bird was observed to fly a short distance north under the net toward the top of the north central bank of the West Sludge Pond. At 13:47 presumably the same individual was observed to flush from the water's edge of the north bank of the West Sludge Pond approximately 10 feet west of the initial observation and to fly west towards the north bank under the net. Seconds later the bird was observed perched on top of the net immediately south of the north bank and, after a second or two, was observed to fly west above the net. Around 18:55 one individual was observed to call from the south outer slope of the Diked Lagoon. Around 19:02 one individual was observed to call from the bermed area proper. At the same time another individual was observed to call from the dogleg of the bermed area. The individuals seen were observed briefly through binoculars and, in the case of the individual observed at 13:43, through the naked eye at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that oil would likely have been apparent on these birds, due to the whitish throat, belly, and undertail coverts as well as the pale supercilium and submoustachial stripe which characterize the adult plumage of the eastern race of this species.
19. At 07:19 one individual was observed to call from the dogleg of the bermed area. Around 07:34 one individual was observed to call from what sounded like vegetation along the west perimeter fence adjacent to the West Sludge Pond.
20. Around 07:09 one individual was observed to sing from the *Phragmites* of the bermed area proper. At 08:02 a flock of 80 individuals was observed to fly southeast over the bermed area at an estimated height of approximately 200-250 feet above ground surface. At the same time 3 individuals were observed to fly south at an estimated height of approximately 175-200 feet above ground surface. At 08:06 seven individuals were observed to fly southeast over the bermed area and exit the SRWWTP at an estimated height of approximately

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180-200 feet above ground surface. Around 08:10 seven individuals were observed to vocalize in the bermed area proper, including at least 3 individuals singing. At the same time 44 individuals were observed to rest in trees of the bermed area; all but 7 being in the dogleg. Nine individuals were observed to vocalize in the bermed area around 08:18. At the same time 13 of the 44 individuals observed previously were still resting in trees in the bermed area. Around 08:24 eight individuals were observed to sing from the bermed area proper. At the same time one individual was observed to fly over the bermed area. Also at 08:24 five individuals of the original 44 observed were still resting in trees in the bermed area. Around 08:31 three individuals were observed to call from what sounded like the east perimeter fence north of the northeast gate. At the same time two individuals were observed to rest in a tree in the dogleg of the bermed area. Around 09:53 three individuals were observed to sing from the *Phragmites* and *Typha* of the bermed area proper. Around 18:12 ten individuals were observed to vocalize in the bermed area proper, including six individuals singing. Around 18:23 three individuals were observed to call from the bermed area, and 6 individuals were observed to rest in trees at the bermed area. Around 19:02 two individuals were observed to call from the bermed area.

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ANIMAL SIGN OBSERVED

DATE: 10-17-12

1	Type: burrow	Species: NORWAY RAT	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: mid-slope of north central bank of East Sludge Pond at the 2 nd I-Beam post from northeast corner under net.			Status: probably active		From NA individual(s)	
Photo #: 4			Sizing Basis: none – too difficult to place		Behavior: NA	
Additional Sign Present: none			Note:			
2	Type: burrow	Species: EASTERN COTTONTAIL	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: near top of south bank of the Secondary Lagoon, approximately 6 feet west of the west end of guardrail section closest to the belt skimmer			Status: probably active		From NA individual(s)	
Photo #: 5			Sizing Basis: inch ruler		Behavior: NA	
Additional Sign Present: none			Note: Entrance faces north.			
3	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: at the top of the southeast bank of the Secondary Lagoon approximately 6-8 feet southwest of belt skimmer			Status: probably inactive		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
4	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: mid-slope of east central side of Secondary Lagoon approximately 12 feet southwest of double yellow standpipe			Status: possibly inactive		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
5	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: under southwest foundation of pumphouse at top of northeast bank of Secondary Lagoon			Status: probably active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

ANIMAL SIGN OBSERVED

DATE: 10-17-12

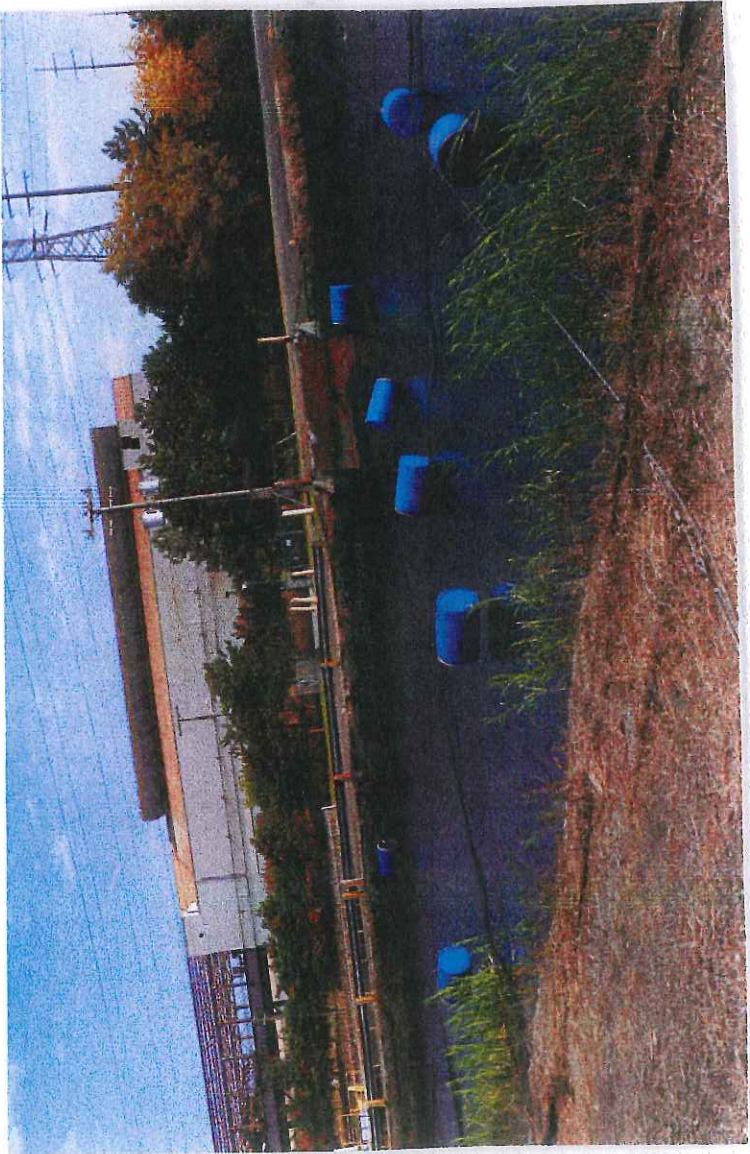
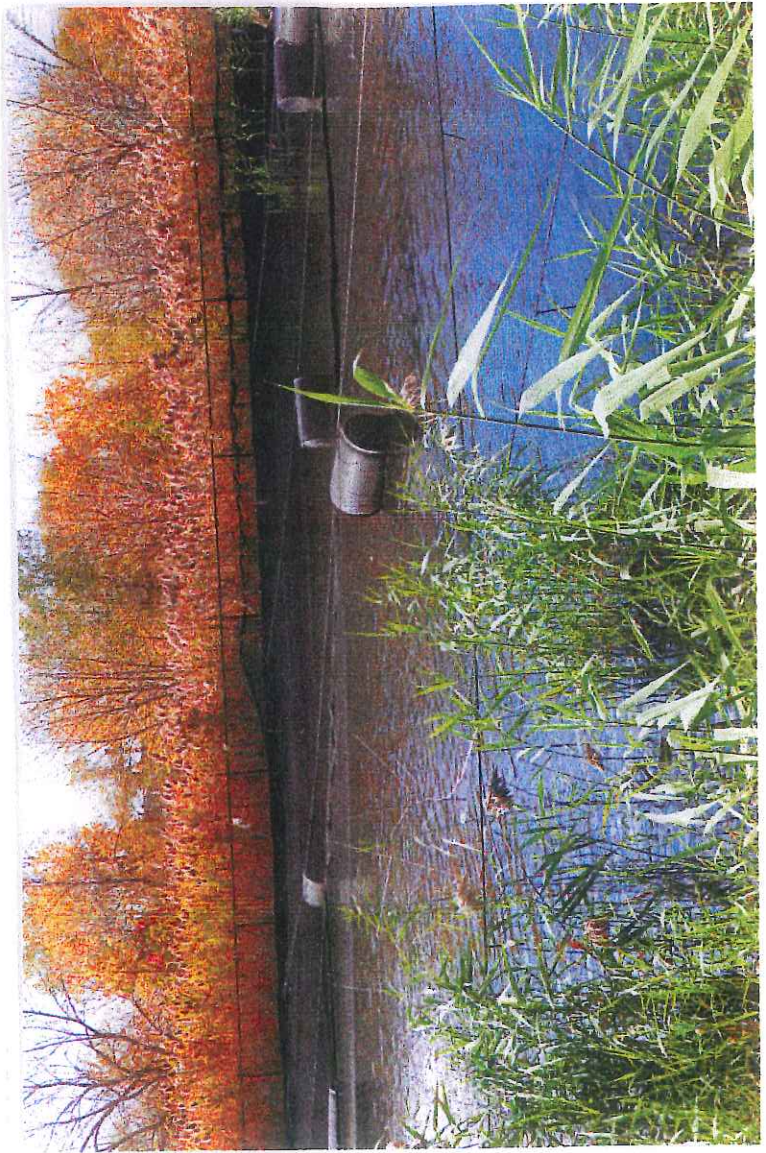
6	Type: track	Species: COYOTE	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: east side of road opposite southwest corner of Diked Lagoon			Status: NA		From 1 individual(s)	
Photo #: 12, 13			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note: Lobed, triangular hind pad indicates Coyote rather than Red Fox.		Behavior: walking	
7	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: outside (1 foot east of) east side of Primary Lagoon fence, approximately 8 feet north of utility pole near northeast corner of Primary Lagoon			Status: probably active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on: entrance appears to have been modified slightly	
Additional Sign Present: none			Note: Likely connected to Item 8.		Behavior: NA	
8	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: mid-slope of northeast bank of Primary Lagoon, approximately 15 feet northwest of utility pole			Status: probably active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on: entrance appears to have possibly been modified in recent past	
Additional Sign Present: none			Note: Likely connected to Item 7.		Behavior: NA	
9	Type: track	Species: GREAT BLUE HERON	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 7	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: westernmost three feet of the top of weir at south end of Primary Lagoon			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:		Behavior: standing	
10	Type: track	Species: GREAT BLUE HERON	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: ~5	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input checked="" type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: Approximately 5-8 feet east of the west end of the top of weir at south end of Primary Lagoon			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:		Behavior: standing	

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

ANIMAL SIGN OBSERVED

DATE: 10-17-12

11	Type: track	Species: COYOTE	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible	#: 2	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: west side of west perimeter road opposite TVT bridge and approximately 20 feet north of gas pipeline marker			Status: NA		From 1 individual(s)	
Photo #: 7			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note: .		Behavior: possibly walking	
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location:			Status:		From individual(s)	
Photo #:			Sizing Basis:		Based on:	
Additional Sign Present:			Note:		Behavior:	
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location:			Status:		From individual(s)	
Photo #:			Sizing Basis:		Based on:	
Additional Sign Present:			Note:		Behavior:	
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location:			Status:		From individual(s)	
Photo #:			Sizing Basis:		Based on:	
Additional Sign Present:			Note:		Behavior:	
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location:			Status:		From individual(s)	
Photo #:			Sizing Basis:		Based on:	
Additional Sign Present:			Note:		Behavior:	
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location:			Status:		From individual(s)	
Photo #:			Sizing Basis:		Based on:	
Additional Sign Present:			Note:		Behavior:	



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - morning

#1: Top of southwest bank of East Sludge Pond, looking south from approximately 30 feet north of Brill skimmer tank. Note slag backfill atop outer netting frame in order to close any gaps under the frame to prevent wildlife entry.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

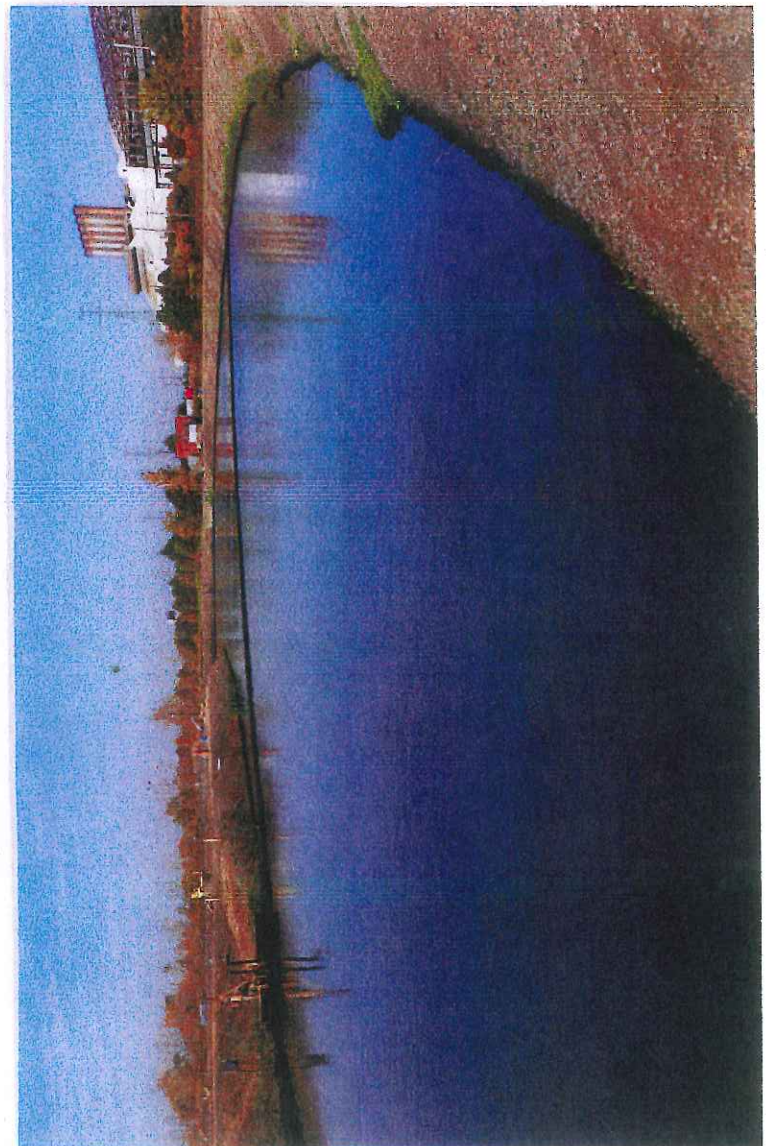
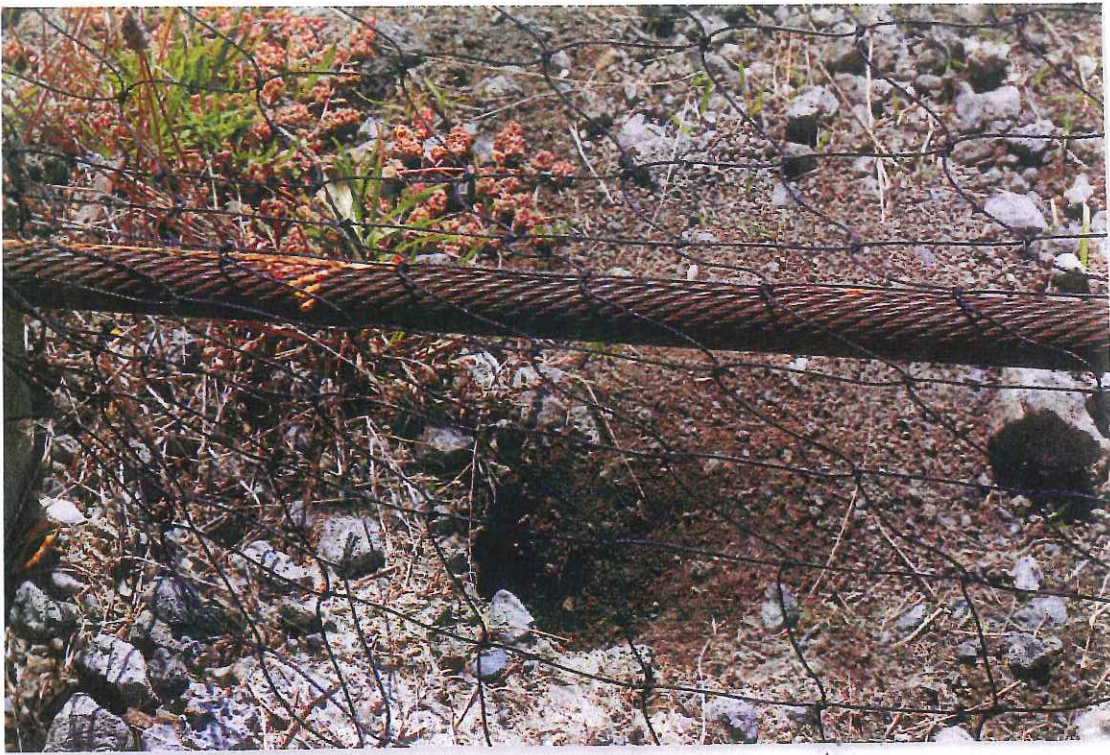
Photographed by Michael Carlson
October 17, 2012 - morning

#2: East Sludge Pond, looking east from approximately 30 feet north of Brill skimmer tank. Note netting, spacer drums, and east perimeter fence in-place. Southeast gate at center, and south clarifier at far left.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - morning

#3: West Sludge Pond, looking west from approximately 30 feet north of Brill skimmer tank. Note netting, spacer drums, and west perimeter fence in-place. Rouge River floodplain beyond fence in background.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#4: Ground at mid-slope of north central bank of East Sludge Pond, looking down & south from approximately 15 feet west of northeast corner. Note probable Norway Rat burrow under netting, and outer frame cable.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#5: Ground near top of southeast bank of Secondary Lagoon, looking down & east from approximately 7 feet west of west end of guardrail opposite belt skimmer. Note possible Eastern Cottontail burrow & inch ruler for size.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#6: Secondary Lagoon, looking north from top of stairs to lower level of Belt Skimmer. Note new north diagonal boom, and south diagonal boom (far left).



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#7: Surface of west side of west perimeter road opposite TVT bridge at Primary Lagoon and approximately 20 feet north of gas pipeline marker. Note probable Coyote tracks and inch ruler for sizing.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

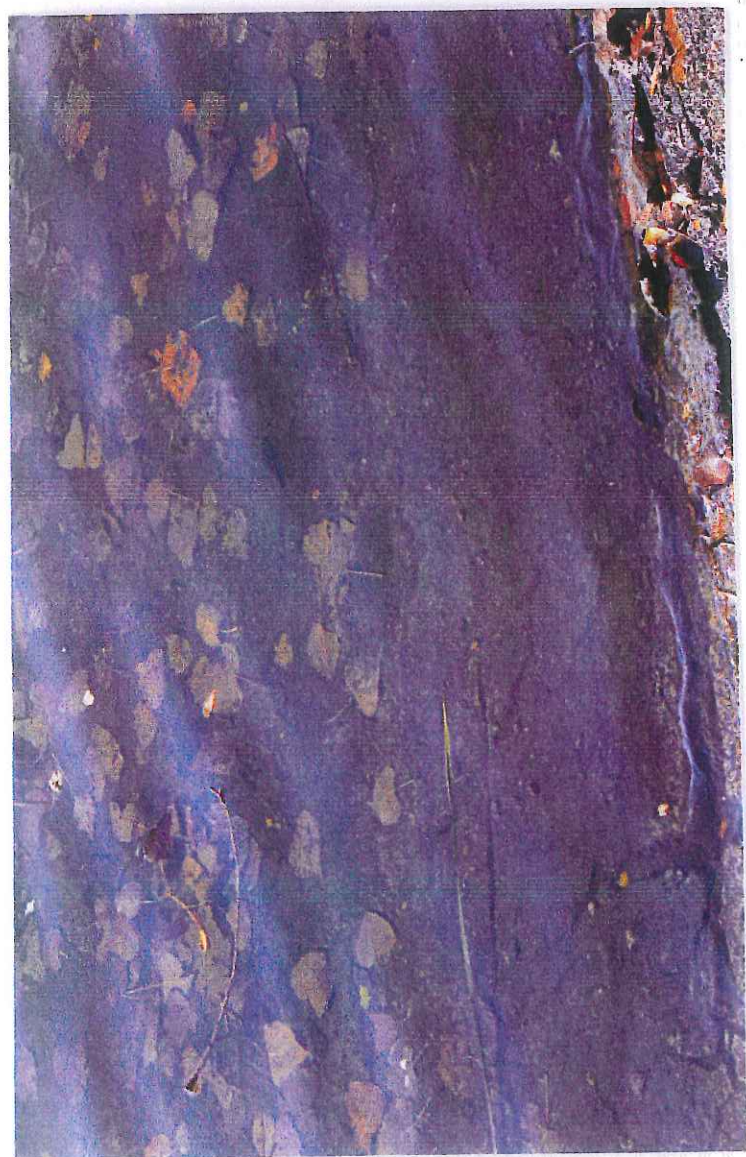
Photographed by Michael Carlson
October 17, 2012 - afternoon

#8: East side of Diked Lagoon, looking north from Station No. 4 at the southeast corner of the Diked Lagoon. Note Mylar ribbons in-place, and littoral area.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#9: East side of Diked Lagoon, looking north from approximately 15 feet north of Station No. 4 at the southeast corner of the lagoon. Note Mylar ribbons in-place, and littoral area. Bermed area proper in background..



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#10: Diked Lagoon looking west from approximately 15 feet north of Station No. 4 at the southeast corner of the lagoon. Dogleg of the bermed area in background and west end of bermed area proper (far right).

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

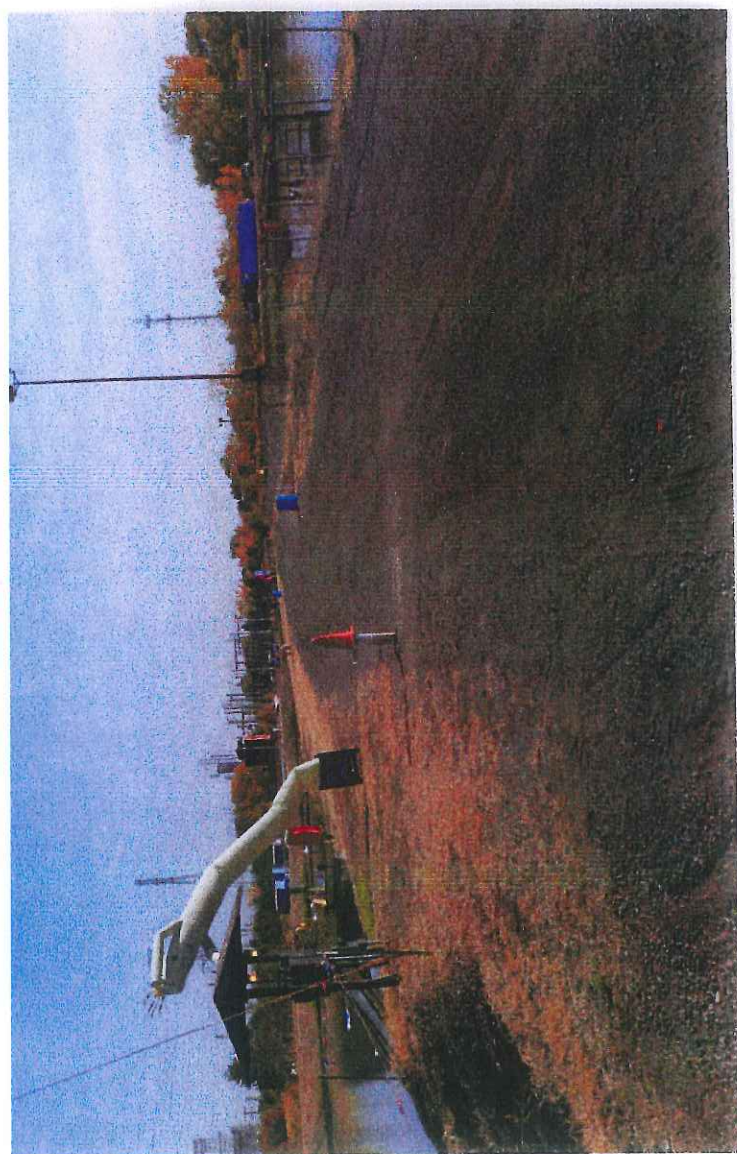
Photographed by Michael Carlson
October 17, 2012 - afternoon

#11: Surface of water at east central side of the Diked Lagoon, looking down and west from approximately 25 feet south of northeast corner of lagoon. Note clear water with cottonwood leaves visible at bottom of lagoon.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#12: Surface of east side of road west of the Diked Lagoon opposite the southwest corner of the Diked Lagoon, looking down and southwest. Note Coyote tracks and inch ruler for sizing.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#13: Surface of east side of road west of the Diked Lagoon opposite the southwest corner of the lagoon, looking down and southwest. Note close-up of one Coyote track and inch ruler for sizing. Note lobed, triangular heel pad.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

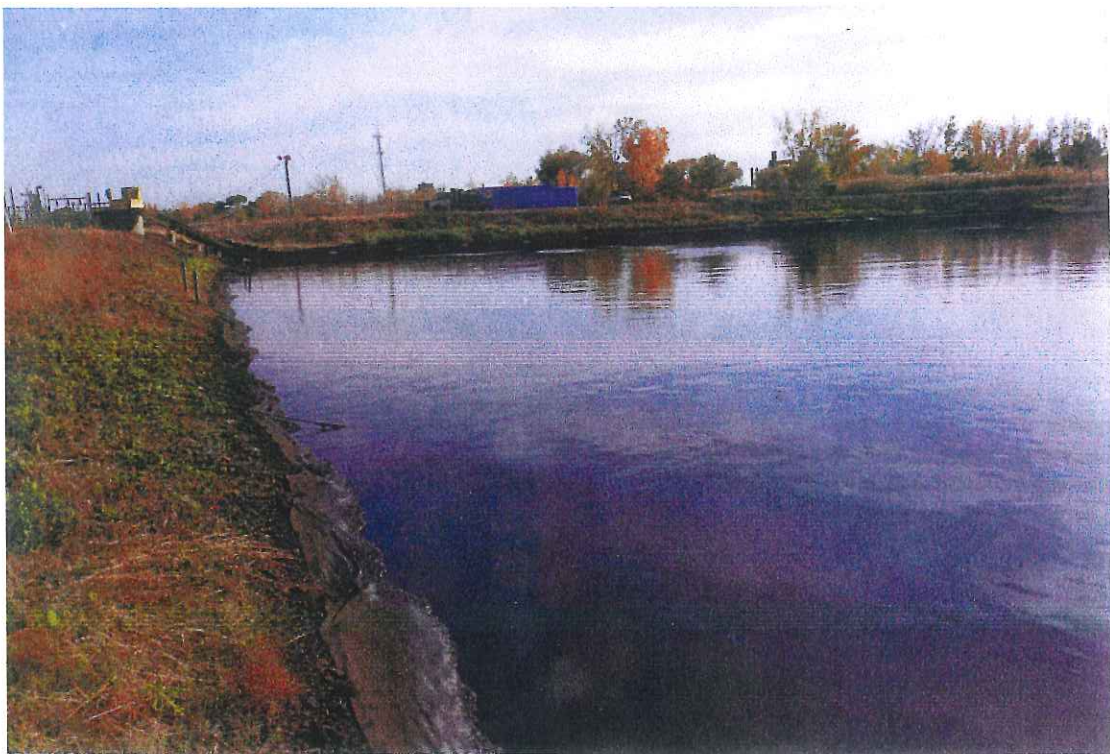
Photographed by Michael Carlson
October 17, 2012 - afternoon

#14: Main north-south road looking south from approximately 15 feet north of inlet to the Secondary Lagoon. Note air-dancer, propane cannon, & Primary Lagoon fence in-place. Cones and drums mark monitoring wells.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#15: North end of Primary Lagoon, looking east from under the net approximately 10 feet north of the west three feet of the OMI 2 mop tray. Note netting in-place, and spillway.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#16: South end of Primary Lagoon, looking south from TVT bridge above water's edge. Note geotextile (foreground) in-place, OMI 1 (far left), and groundwater treatment module in center background. Trees are at Rouge River.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
October 17, 2012 - afternoon

#17: Southwest side of Secondary Lagoon, looking west from Station No. 2 at the top of southeast bank of Secondary Lagoon near north clarifier. Note groundwater treatment module in plain south of Primary Lagoon.

APPENDIX B

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

October 1 to October 31, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
124	9	1	0	Near Primary Lagoon, near Secondary Lagoon, near Diked Lagoon, and near Bermed Area.	5	Flew away. Birds flew away or flew to another area after horn blasts.

*During dawn to dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	31 days	31 days	None	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
10/1	7:00 AM	N	N	N	N	0	N	RE
10/1	9:00 AM	N	N	N	N	0	N	A.H.
10/1	1:00 P.M.	N	N	N	N	0	N	A.H.
10/1	8:00 PM	N	N	N	N	0	N	RE
10/2	7:00 AM	N	N	N	N	0	N	RE
10/2	9:00 AM	N	N	N	N	0	N	A.H.
10/2	1:00 PM	N	N	N	N	0	N	A.H.
10/2	8:00 PM	N	N	N	N	0	N	RE
10/3	7:00 AM	N	N	N	N	0	N	RE
10/3	9:00 AM	N	N	N	N	0	N	A.H.
10/3	1:00 PM	N	N	N	N	0	N	A.H.
10/3	8:00 PM	N	N	N	N	0	N	RE
10/4	7:00 AM	N	N	N	N	0	N	RE
10/4	9:00 AM	N	N	N	N	0	N	C.L.
10/4	1:00 PM	N	N	N	N	0	N	C.L.
10/4	8:00 PM	N	N	N	N	0	N	A.H.
10/5	7:00 AM	N	N	N	N	0	N	A.H.
10/5	9:00 AM	N	N	N	N	0	N	C.L.

Location Code: B = near Berm area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
10/5	1:00 P.M.	N	N	N	N	0	N	C.L.
10/5	8:00 PM	N	N	N	N	0	N	RE
10/6	7:00 AM	N	N	N	N	0	N	RE
10/6	9:00 A.M.	N	N	N	N	0	N	C.L.
10/6	11:00 P.M.	N	N	N	N	0	N	C.L.
10/6	8:00 P.M.	N	N	N	N	0	N	A.H.
10/7	7:00 A.M.	N	N	N	N	0	N	A.H.
10/7	9:00 A.M.	N	N	N	N	0	N	C.L.
10/7	1:00 P.M.	N	N	N	N	0	N	C.L.
10/7	8:00 PM	N	N	N	N	0	N	RE
10/8	7:00 AM	N	N	N	N	0	N	RE
10/8	9:00 AM	N	N	N	N	0	N	A.H.
10/8	1:00 PM	N	N	N	N	0	N	A.H.
10/8	8:00 PM	N	N	N	N	0	N	RE
10/9	7:00 AM	N	N	N	N	0	N	RE
10/9	9:00 AM	BLUE HERON	N	N	D	0	N	A.H.
10/9	1:00 PM	KILL DEER	N	N	P	0	N	A.H.
10/9	8:00 PM	N	N	N	N	0	N	RE

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
10/10	7:00 AM	N	N	N	N	0	N	RE
10/10	9:00 AM	Killdeer	N	N	P	0	N	A.H.
10/10	1:00 PM	"	N	N	N	0	N	A.H.
10/10	8:00 PM	N	N	N	N	0	N	RE
10/11	7:00 AM	N	N	N	N	0	N	RE
10/11	9:00 AM	N	N	N	N	0	N	A.H.
10/11	1:00 PM	N	N	N	N	0	N	A.H.
10/11	8:00 PM	N	N	N	N	0	N	ST
10/12	7:00 AM	N	N	N	N	0	N	ST
10/12	9:00 AM	N	N	N	N	0	N	C.L.
10/12	1:00 PM	N	N	N	N	0	N	C.L.
10/12	8:00 PM	N	N	N	N	0	N	ST
10/13	7:00 AM	N	N	N	N	0	N	ST
10/13	9:00 AM	N	N	N	N	0	N	C.L.
10/13	1:00 PM	N	N	N	N	0	N	C.L.
10/13	8:00 PM	N	N	N	N	0	N	ST
10/14	7:00 AM	N	N	N	N	0	N	ST
10/14	9:00 AM	N	N	N	N	0	N	C.L.

Location Code: B = near Bermied area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
10/14	1:00 P.M.	N	N	N	N	0	N	C.L.
10/14	8:00 PM	N	N	N	N	0	N	ST
10/15	7:00 AM	KILL DEER	Y	N	B	2	Flew away	ST
10/15	9:00 A.M.	N	N	N	N	0	N	C.L.
10/15	1:00 P.M.	N	N	N	N	0	N	C.L.
10/15	8:00 PM	N	N	N	N	0	N	RE
10/16	7:00 AM	N	N	N	N	0	N	RE
10/16	9:00 AM	N	N	N	N	0	N	A.H.
10/16	1:00 P.M.	N	N	N	N	0	N	A.H.
10/16	8:00 PM	N	N	N	N	0	N	RE
10/17	7:00 AM	N	N	N	N	0	N	RE
10/17	9:00 AM	N	N	N	N	0	N	A.H.
10/17	1:00 PM	N	N	N	N	0	N	A.H.
10/17	8:00 PM	N	N	N	N	0	N	RE
10/18	7:00 AM	N	N	N	N	0	N	RE
10/18	9:00 AM	N	N	N	N	0	N	A.H.
10/18	1:00 PM	N	N	N	N	0	N	A.H.
10/18	8:00 PM	N	N	N	N	0	N	RE

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
10/19	7:00 AM	N	N	N	N	0	N	R
10/19	9:00 AM	N	N	N	N	0	N	A.H.
10/19	1:00 PM	N	N	N	N	0	N	A.H.
10/19	8:00 PM	N	N	N	N	0	N	ST
10/20	7:00 AM	N	N	N	N	0	N	ST
10/20	9:00 AM	N	N	N	N	0	N	C.L.
10/20	1:00 PM	N	N	N	N	0	N	C.L.
10/20	8:00 PM	N	N	N	N	0	N	ST
10/21	7:00 AM	N	N	N	N	0	N	ST
10/21	9:00 AM	N	N	N	N	0	N	R
10/21	3:00 PM	N	N	N	N	0	N	R
10/21	8:00 PM	N	N	N	N	0	N	ST
10/22	7:00 AM	N	N	N	N	0	N	ST
10/22	9:00 AM	N	N	N	N	0	N	C.L.
10/22	1:00 PM	N	N	N	N	0	N	C.L.
10/22	8:00 PM	N	N	N	N	0	N	ST
10/23	7:00 AM	N	N	N	N	0	N	ST
10/23	9:00 AM	N	N	N	N	0	N	C.L.

Location Code: B = near Berned area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

2012

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
10/23	1:00 PM	N	N	N	N	0	N	C.L.
10/23	8:00 PM	N	N	N	N	0	N	RE
10/24	7:00 AM	N	N	N	N	0	N	RE
10/24	9:00 AM	N	N	N	N	0	N	A.H.
10/24	1:00 PM	N	N	N	N	0	N	A.H.
10/24	8:00 PM	N	N	N	N	0	N	RE
10/25	7:00 AM	N	N	N	N	0	N	RE
10/25	9:00 AM	N	N	N	N	0	N	A.H.
10/25	1:00 PM	N	N	N	N	0	N	A.H.
10/25	8:00 PM	N	N	N	N	0	N	RE
10/26	7:00 AM	N	N	N	N	0	N	RE
10/26	9:00 AM	N	N	N	N	0	N	A.H.
10/26	1:00 PM	N	N	N	N	0	N	A.H.
10/26	8:00 PM	N	N	N	N	0	N	RE
10/27	7:00 AM	N	N	N	N	0	N	RE
10/27	9:00 AM	RED WING-BLACK BIRD	N	N	D	0	N	A.H.
10/27	1:00 PM	BLUETHROAT/ROBINS	N	N	B/S	0	N	A.H.
10/27	8:00 PM	N	N	N	N	0	N	ST

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

2012

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
10/28	7:00 AM	Killdeer	N	N	B	2	Flew away	HT
10/28	9:00 AM	N	N	N	N	0	N	C.L.
10/28	1:00 PM	N	N	N	N	0	N	C.L.
10/28	8:00 PM	N	N	N	N	0	N	HT
10/29	7:00 AM	N	N	N	N	0	N	HT
10/29	9:00 AM	N	N	N	N	0	N	C.L.
10/29	1:00 P.M.	N	N	N	N	0	N	C.L.
10/29	8:00 PM	N	N	N	N	0	N	HT
10/30	7:00 AM	N	N	N	N	0	N	HT
10/30	9:00 AM	Killdeer	N	N	B	1	Flew away	C.L.
10/30	1:00 P.M.	N	N	N	N	0	N	C.L.
10/30	7:30 PM	N	N	N	N	0	N	HT
10/31	7:00 AM	N	N	N	N	0	N	HT
10/31	9:00 AM	N	N	N	N	0	N	A.H.
10/31	1:00 P.M.	N	N	N	N	0	N	A.H.
10/31	8:00 PM	N	N	N	N	0	N	HT
X								
X								

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 10/1	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	RE
10/1	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
10/2	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	RE
10/2	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
10/3	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	RE
10/3	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
10/4	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	A.H.

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
10/4	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
10/5	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
10/5	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	RE
10/6	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	A.H.
10/6	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
10/7	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	RE
10/7	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
10/8	7:00 AM	N	N	N	N	N	N	N	RE
	8:00 PM	N	N	N	N	N	N	N	RE
10/8	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
10/9	7:00 AM	N	N	Y	N	N	N	N	RE
	8:00 PM	N	N	Y	N	N	N	N	RE
10/9	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
10/10	7:00 AM	N	N	Y	Y	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	RE
10/10	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
10/11	7:00 AM	N	N	N	N	N	N	N	RE
	8:00 PM	N	N	Y	Y	N	N	N	jt

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
10/11	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	A.H.
10/12	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	ST
10/12	9:00 AM	N	N	Y	Y	N	N	N	ST
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
10/13	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	ST
10/13	9:00 AM	N	N	Y	Y	N	N	N	ST
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
10/14	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	ST
10/14	9:00 AM	N	N	N	Y	N	N	N	ST
	1:00 PM	N	N	N	Y	N	N	N	C.L.
						N	N	N	C.L.

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
10/15	7:00 AM	N	N	Y	Y	N	N	N	JH
	8:00 PM	N	N	Y	Y	N	N	N	
10/15	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
10/16	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	
10/16	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
10/17	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
10/17	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
10/18	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
10/18	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
10/19	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
10/19	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
10/20	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
10/20	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	3:00 PM	N	N	Y	Y	N	N	N	
10/21	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
10/21	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	3:00 PM	N	N	Y	Y	N	N	N	

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FORM SRWWTP 1.02

DATE: 2/26/2001

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

2012

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
10/22	7:00 AM	N	N	Y	Y	N	N	N	JT
	8:00 PM	N	N	Y	Y	N	N	N	JT
10/22	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
10/23	7:00 AM	N	N	Y	Y	N	N	N	JT
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
10/23	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	8:00 PM	N	N	Y	Y	N	N	N	C.L.
10/24	7:00 AM	N	N	Y	Y	N	N	N	KE
	8:00 PM	N	N	Y	Y	N	N	N	KE
10/24	9:00 AM	N	N	Y	Y	N	N	N	KE
	11:00 PM	N	N	Y	Y	N	N	N	A.H.
10/25	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	KE

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FORM SRWWTP 1.02

DATE: 2/26/2001

q:\excel\ouge-Srwwtp oil management insp log sheet

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

2012

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ¹)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
10/25	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
10/26	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
10/26	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
10/27	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
10/27	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
10/28	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	8:00 PM	N	N	Y	Y	N	N	N	
10/28	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ¹)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 10/29	7:00 AM	N	N	Y	Y	N	N	N	JH
	8:00 PM	N	N	Y	Y	N	N	N	
10/29	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
10/30	7:00 AM	N	N	Y	Y	N	N	N	JH
	7:30 PM	N	N	Y	Y	N	N	N	
10/30	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
10/31	7:00 AM	N	N	Y	Y	N	N	N	JH
	8:00 PM	N	N	Y	Y	N	N	N	
10/31	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
X	AM								
	PM								

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
10/1	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
10/1	9:00 AM	N	N	N	N	Y	NA	A-H.
	1:00 PM	N	N	N	N	Y	N/A	A-H
10/2	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	N/A	RC
10/2	9:00 AM	N	N	N	N	Y	N/A	A-H.
	1:00 PM	N	N	N	N	Y	N/A	A-H.
10/3	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
10/3	9:00 AM	N	Y	N	N	SW COLLECT SECT	NA - SW COLLECT SECT	A-H.
	1:00 PM	N	N	N	N	Y	N/A	A-H.
10/4	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	N/A	A-H.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
10/4	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/5	7:00 AM	N	N	N	N	Y	NA	A.H.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/5	9:00 AM	N	N	N	N	Y	NA	C.L.
	8:00 PM	N	N	N	N	Y	NA	RE
10/6	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	A.H.
10/6	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/7	7:00 AM	N	N	N	N	Y	NA	A.H.
	8:00 PM	N	N	N	N	Y	NA	RE
10/7	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.

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Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
10/8	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
10/8	9:00 AM	N	N	N	N	Y	N/A	A.H.
	8:00 PM	N	N	N	N	Y	N/A	A.H.
10/9	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
10/9	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
10/10	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
10/10	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	Y	Y STE DIKE A.H.	INVESTIGATE VACUUMED OIL A.H.	A.H.
10/11	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	N/A	BT

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Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
10/11	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
10/12	7:00 AM	N	N	N	N	Y	N/A	DT
	8:00 PM	N	N	N	N	Y	NA	DT
10/12	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/13	7:00 AM	N	N	N	N	Y	N/A	DT
	8:00 PM	N	N	N	N	Y	NA	DT
10/13	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/14	7:00 AM	N	N	N	N	Y	N/A	DT
	8:00 PM	N	N	N	N	Y	N/A	DT
10/14	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

2012

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
10/15	7:00 AM	N	N	N	N	Y	NA	JH
	8:00 PM	N	N	N	N	Y	NA	
10/15	9:00 AM	N	N	N	N	Y	NA	C.L.
	8:00 PM	N	N	N	N	Y	NA	
10/16	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	
10/16	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	
10/17	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	
10/17	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	
10/18	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

2012

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil) ²	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
10/18	9:00 AM	N	N	N	N	Y	N/A	A-H.
	1:00 PM	N	N	N	N	Y	N/A	A-H.
10/19	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	ST
10/19	9:00 AM	N	N	N	N	Y	N/A	A-H.
	1:00 PM	N	N	N	N	Y	N/A	A-H.
10/20	7:00 AM	N	N	N	N	Y	NA	ST
	8:00 PM	N	N	N	N	Y	NA	ST
10/20	9:00 AM	N	N	N	N	Y	N/A	RE
	3:00 PM	N	N	N	N	Y	N/A	RE
10/21	7:00 AM	N	N	N	N	Y	NA	ST
	8:00 PM	N	N	N	N	Y	NA	ST
10/21	9:00 AM	N	N	N	N	Y	NA	RE
	3:00 PM	N	N	N	N	Y	NA	RE

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

q:\excel\rouge\srwwtp oil management insp. log sheet

2012

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
10/22	7:00 AM	N	N	N	N	Y	NA	ST
	8:00 PM	N	N	N	N	Y	NA	ST
10/22	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/23	7:00 AM	N	N	N	N	Y	NA	ST
	8:00 PM	N	N	N	N	Y	NA	ST
10/23	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/24	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE
10/24	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
10/25	7:00 AM	N	N	N	N	Y	NA	RE
	8:00 PM	N	N	N	N	Y	NA	RE

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

2012

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
10/25	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
10/26	7:00 AM	N	N	N	N	Y	NA	AC
	8:00 PM	N	N	N	N	Y	NA	AC
10/26	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
10/27	7:00 AM	N	N	N	N	Y	NA	AC
	8:00 PM	N	N	N	N	Y	NA	AC
10/27	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
10/28	7:00 AM	N	N	N	N	Y	NA	AC
	8:00 PM	N	N	N	N	Y	NA	AC
10/28	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

2012

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
10/29	7:00 AM	N	N	N	N	Y	NA	[Signature]
	8:00 PM	N	N	N	N	Y	NA	
10/29	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/30	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:30 PM	N	N	N	N	Y	NA	
10/30	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
10/31	7:00 AM	N	N	N	N	Y	NA	[Signature]
	8:00 PM	N	N	N	N	Y	NA	
10/31	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
#	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).



MTD 08773843J

October 15, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: September 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The September monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the September wildlife survey report by MEC Environmental Consulting, and the operators' inspection logs. A decomposing non-oiled Opossum carcass was found entangled in the net at the top of the west central bank of the East Sludge Pond. The carcass will be discussed in a separate report.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,

James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
September 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

**CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT**

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Wildlife Survey	Appendix A
Inspection Summary and Report Sheets	Appendix B

**CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT**

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period September 1 through September 30, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

A Wildlife Survey was conducted on September 19, 2012 and a copy of the report is provided in Appendix A. Inspection reports show seasonal activities observed in the general area, and no significant issues at the site were identified. Except, a decomposing non-oiled Opossum carcass was found entangled in the net at the top of the west central bank of the East Sludge Pond. The carcass will be discussed in a separate report.

On several occasions of black birds, blue herons, killdeers and morning doves were observed using one of the treatment plant impoundments, and were scared off with the air horns. The birds flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

The summary of daily inspection findings is provided in Appendix B. Copies of the inspection reports are also provided in Appendix B. No repetitive use of the treatment ponds and lagoons was observed in the September inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in September. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures

taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in September 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In September, there were observations of black birds, blue herons, killdeers and morning doves overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix B.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of September 2012.

APPENDIX A

Wildlife Survey

MEC ENVIRONMENTAL CONSULTING

VIA FEDERAL EXPRESS

October 13, 2012

Mr. James E. Earl
Severstal Dearborn, LLC.
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

**Subject: Schaefer Road Wastewater Treatment Plant: 2012 Wildlife Survey #5
(P. N. 00330)**

Dear Jim:

I am very pleased to present the enclosed letter report for the subject project in partial fulfillment of your Purchase Order No. 592351. This survey constitutes the monthly bird survey in accordance with your Continuing Emergency Measures (CEM) Workplan in response to EPA Administrative Order Docket No. R7003-5-00-001.

The September survey was completed on Wednesday, September 19, 2012. A total of 44 sets of five-minute observations was made from 05:20 to 20:15 at five different stations located at significant vantage points at the Schaefer Road Wastewater Treatment Plant (SRWWTP). Observations were made at this frequency in order to ensure a complete and scientifically sound inventory, to ensure quality assurance of the data collected, and to evaluate allegations of wildlife utilization of the impoundments. Observations were both visual and aural. Visual observations were made using Zeiss FL T* 10 x 42 power binoculars. The location of the five stations designated by MEC Environmental Consulting, which have been used in previous surveys and will continue to be used in subsequent surveys, is presented in the first enclosed table.

Weather conditions varied over the period, and were influenced primarily by a strong, retreating low pressure system centered over central Quebec, a large, high pressure system moving rapidly northeast from Missouri to New York, and a building low pressure system centered over south central Manitoba and later the southwestern border of Manitoba and Ontario. A warm front extended south from this low pressure system through Minnesota, and a cold front extended southwest and then northwest through the Great Plains. Barometric pressure, based on radio-broadcast readings from Detroit Metro Airport, was 30.03 in.-Hg and rising at 04:00, 30.06 in.-Hg and rising at 06:00, 30.08 in.-Hg and rising at 07:00, 30.11 in.-Hg and rising at 09:00, 30.05 in.-Hg and steady at 18:00, and 30.02 in.-Hg and falling at 20:00. Relative humidity, also based on radio broadcast National Weather Service data, was 76% at 04:00, 79% at 05:00 and 09:00, 86% at 07:00, 78% at 08:00, 32% at 18:00, and 41% at 20:00. Sky conditions ranged from mostly clear to clear until approximately 19:30 when skies became mostly cloudy for the remainder of the period. Temperatures ranged from 43° F at 04:59 and around 05:20, to 45° F around 06:15, 07:12, and 07:24, to 51° F around

09:30, to approximately 68° F around 13:00, and then to approximately 65° F around 17:06, and to 62° F around 20:10. Winds were generally out of the west and northwest during the pre-dawn hours, then briefly out of the south at dawn, then out of the north-northwest until around 10:15, then out of the west-northwest until mid-afternoon, and then south-southwest for the remainder of the period, except for brief periods in the evening when winds were out of the southeast. Wind speed varied greatly from generally calm conditions during the pre-dawn and dawn hours, to approximately 2-5 mph during the morning, to approximately 5-10 mph during the early afternoon, and then to approximately 10-15 mph, except for brief gusts to 20 mph, for the remainder of the period. A new moon was observed high in the southwest sky at 19:30. Sunrise was at 07:18; sunset was at 19:35.

A total of 28 bird species was observed within the fenceline of the SRWWTP. This species total is three species greater than the 2000-2011 September mean of 25. The greater than average species total is due to the fact that the survey was conducted near the peak of the fall migration, and that the clear skies and light north winds prior to dawn created excellent conditions for avian migration. Indeed, a number of migrants were observed to fly over the SRWWTP during pre-dawn hours. It should be noted that these individuals, representing several species, are reflected in the species total even though they were likely flying at least 200 feet above the facility, and more likely at approximately 300-500 feet. Moreover, only 11 of the 29 species observed were found outside the bermed area, and of the 11 only 6 species were observed on the ground or in vegetation (i.e., were not flying over the facility). More importantly, no birds whatsoever were observed during 15 of the 44 point counts conducted, and for many of the counts only one bird species was observed. Most importantly, no individuals were observed in or on any of the ponds or lagoons, and only two individual were observed immediately adjacent to a pond or lagoon. These results are remarkable considering that the survey was conducted near the peak of fall migration after an excellent flight night. This information indicates that the habitat modifications and deterrents in-place at the SRWWTP are effective.

Two non-human mammalian species was observed during the survey: Eastern Cottontail (*Sylvilagus floridanus*) and Striped Skunk (*Mephitis mephitis*). At 19:57 one Eastern Cottontail was observed by ear to run through vegetation at the northeast end of the dogleg of the bermed area opposite the northwest corner of the Diked Lagoon. At 14:42 a Striped Skunk was observed by olfaction from the east central bank of the Primary Lagoon, although it was not possible to conclusively determine where the mammal was.

No reptilian species was observed during the survey

One amphibian species was observed during the survey: probable Green Frog (*Rana clamitans*). At 12:39 seven probable Green Frogs, including 3 mostly metamorphosed tadpoles, were observed at the northwest corner of the East Sludge Pond approximately 4 feet south of Station No. 1. At 12:47 a total of 35 individuals, comprising approximately 18 tadpoles, were observed along the edge of the northwest side of the East Sludge Pond approximately 8 feet south of Station No. 1. A total of approximately

130 additional individuals, mostly tadpoles, were counted along the west shoreline of the East Sludge Pond. At 13:17 ten probable Green Frog tadpoles were observed at the north end of the East Sludge Pond. At 13:30 approximately 40 tadpoles were observed along the east side of the East Sludge Pond. At 13:35 approximately 60 probable Green Frog tadpoles were observed along the south side of the East Sludge Pond. The frogs were observed to either jump (adults) in the water or quickly dart (tadpoles) from the edge of the pond at the approach of the wildlife specialist. Oil was not observed at the edges of the East Sludge Pond, and frogs viewed through binoculars did not appear to have oil on their skin.

A large Carp (*Cyprinus carpio*) was observed at 07:28 along the east side of the Secondary Lagoon approximately 50 feet south of Station No. 2.

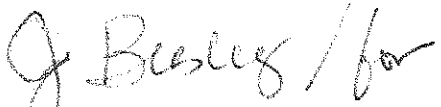
The entire shoreline of each impoundment was systematically checked at least once during the day. Only the shorelines of the Primary Lagoon (except the north end under the net), Diked Lagoon, sludge ponds (except for the inaccessible west side of the West Sludge Pond) and the south side of the Secondary Lagoon, however, were walked due to steep slopes of the rest of the impoundments. The shorelines of these impoundments not walked were searched from top of grade and other angles using binoculars. Animal sign observed during this search is summarized in the third enclosed table. Photographs, including those of animal sign, are enclosed.

One decomposing, non-oiled carcass of an Opossum (*Didelphis virginiana*) was found entangled in the net at the top of the west central bank of the East Sludge Pond. This carcass will be discussed subsequently in a separate report.

If you have any questions regarding this report please call me at (248) 585-3800. Thank you for choosing MEC Environmental Consulting for your wildlife management needs.

Sincerely yours,

MEC ENVIRONMENTAL CONSULTING

A handwritten signature in dark ink, appearing to read "J. Beeley / for", is written over the printed name of Michael E. Carlson.

Michael E. Carlson
Principal

enclosures

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

BIRD SURVEY STATIONS

No.	Location	Vantage Point for . . .
1	Between East and West Sludge Ponds, on the south side, between the two guard rails	East Sludge Pond West Sludge Pond South Clarifier (part)
2	East side of Secondary Lagoon at north end of guard rail opposite the North Clarifier	Secondary Lagoon North Clarifier (most)
3	South central end of Primary Lagoon just east of weather station	Primary Lagoon
4	Southeast corner of Diked Lagoon	Diked Lagoon Secondary Lagoon (except S end) Primary Lagoon
5	South Central Side of Bermed Area*	Bermed area*, except west end (including dogleg) Diked Lagoon

* not a wastewater treatment pond or lagoon

SCHAEFER ROAD WASTEWATER TREATMENT PLANT
BIRD SURVEY RESULTS
Wednesday, September 19, 2012

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Common Loon	<i>Gavia immer</i>								
Pied-billed Grebe	<i>Podilymbus podiceps</i>								
Horned Grebe	<i>Podiceps auritus</i>								
Double-crested Cormorant	<i>Phalacrocorax auritus</i>								
American Bittern	<i>Botaurus lentiginosus</i>								
Great Blue Heron *	<i>Ardea herodias</i>	2						X	1, 2, 3
Great Egret *	<i>Ardea alba</i>								
Snowy Egret	<i>Egretta thula</i>								
Green Heron *	<i>Butorides virescens</i>								
Black-crowned Night-Heron *	<i>Nycticorax nycticorax</i>								
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>								
Glossy Ibis	<i>Plegadis falcinellus</i>								
Turkey Vulture	<i>Cathartes aura</i>								
Snow Goose	<i>Chen caerulescens</i>								
Cackling Goose	<i>Branta hutchinsii</i>								
Canada Goose *	<i>Branta canadensis</i>	9			X	X		X	1, 2, 4, 5
Mute Swan *	<i>Cygnus olor</i>								
Tundra Swan	<i>Cygnus columbianus</i>								
Wood Duck *	<i>Aix sponsa</i>	1						X	1, 2, 6, 7, 8
Gadwall	<i>Anas strepera</i>								
American Wigeon	<i>Anas americana</i>								
American Black Duck *	<i>Anas rubripes</i>								
Mallard *	<i>Anas platyrhynchos</i>	1						X	1, 2, 6, 9
Blue-winged Teal *	<i>Anas discors</i>								
Northern Shoveler	<i>Anas clypeata</i>								
Northern Pintail	<i>Anas acuta</i>								
Green-winged Teal	<i>Anas crecca</i>								
Canvasback	<i>Aythya valisineria</i>								
Redhead	<i>Aythya americana</i>								
Ring-necked Duck	<i>Aythya collaris</i>								
Greater Scaup	<i>Aythya marila</i>								
Lesser Scaup	<i>Aythya affinis</i>								
Long-tailed Duck	<i>Clangula hyemalis</i>								
Bufflehead	<i>Bucephala albeola</i>								
Common Goldeneye	<i>Bucephala clangula</i>								
Hooded Merganser	<i>Lophodytes cucullatus</i>								
Red-breasted Merganser	<i>Mergus serrator</i>								
Common Merganser	<i>Mergus merganser</i>								
Ruddy Duck	<i>Oxyura jamaicensis</i>								
Osprey	<i>Pandion haliaetus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Bald Eagle	<i>Haliaeetus leucocephalus</i>								
Northern Harrier	<i>Circus cyaneus</i>								
Sharp-shinned Hawk	<i>Accipiter striatus</i>								
Cooper's Hawk *	<i>Accipiter cooperii</i>								
Broad-winged Hawk	<i>Buteo platypterus</i>								
Red-tailed Hawk *	<i>Buteo jamaicensis</i>								
Rough-legged Hawk	<i>Buteo lagopus</i>								
American Kestrel *	<i>Falco sparverius</i>								
Merlin	<i>Falco columbarius</i>								
Peregrine Falcon	<i>Falco peregrinus</i>								
Ring-necked Pheasant *	<i>Phasianus colchicus</i>								
Northern Bobwhite *	<i>Colinus virginianus</i>								
Virginia Rail	<i>Rallus limicola</i>								
Sora	<i>Porzana carolina</i>								
Common Gallinule	<i>Gallinula galeata</i>								
American Coot	<i>Fulica americana</i>								
Black-bellied Plover	<i>Pluvialis squatarola</i>								
American Golden-Plover	<i>Pluvialis dominica</i>								
Semipalmated Plover	<i>Charadrius semipalmatus</i>								
Killdeer *	<i>Charadrius vociferus</i>	8			X	X	X	X	1, 2, 7, 10
Greater Yellowlegs	<i>Tringa melanoleuca</i>								
Lesser Yellowlegs	<i>Tringa flavipes</i>								
Solitary Sandpiper	<i>Tringa solitaria</i>								
Spotted Sandpiper *	<i>Actitis macularius</i>								
Whimbrel	<i>Numenius phaeopus</i>								
Ruddy Turnstone	<i>Arenaria interpres</i>								
Red Knot	<i>Calidris canutus</i>								
Sanderling	<i>Calidris alba</i>								
Semipalmated Sandpiper	<i>Calidris pusilla</i>								
Western Sandpiper	<i>Calidris mauri</i>								
Least Sandpiper	<i>Calidris minutilla</i>								
White-rumped Sandpiper	<i>Calidris fuscicollis</i>								
Baird's Sandpiper	<i>Calidris bairdii</i>								
Pectoral Sandpiper	<i>Calidris melanotos</i>								
Dunlin	<i>Calidris alpina</i>								
Short-billed Dowitcher	<i>Limnodromus griseus</i>								
Wilson's Snipe	<i>Gallinago delicata</i>								
American Woodcock *	<i>Scolopax minor</i>								
Wilson's Phalarope	<i>Phalaropus tricolor</i>								
Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>								
Ring-billed Gull *	<i>Larus delawarensis</i>								
Herring Gull *	<i>Larus argentatus</i>	2			X	X		X	1, 2, 4, 11
Thayer's Gull	<i>Larus thayeri</i>								
Glaucous Gull	<i>Larus hyperboreus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Great Black-backed Gull	<i>Larus marinus</i>								
Caspian Tern	<i>Hydroprogne caspia</i>								
Common Tern *	<i>Sterna hirundo</i>								
Forster's Tern *	<i>Sterna forsteri</i>								
Black Tern *	<i>Chlidonias niger</i>								
Rock Pigeon *	<i>Columba livia</i>								
Mourning Dove *	<i>Zenaida macroura</i>	2	X	X	X	X			1, 2, 4, 12
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>								
Eastern Screech Owl *	<i>Megascops asio</i>								
Great Horned Owl *	<i>Bubo virginianus</i>								
Snowy Owl	<i>Bubo scandiacus</i>								
Short-eared Owl	<i>Asio flammeus</i>								
Common Nighthawk	<i>Chordeiles minor</i>								
Chimney Swift *	<i>Chaetura pelagica</i>	1				X		X	1, 2, 4, 7, 13
Ruby-throated Hummingbird *	<i>Archilochus colubris</i>								
Belted Kingfisher *	<i>Ceryle alcyon</i>								
Red-headed Woodpecker *	<i>Melanerpes erythrocephalus</i>								
Red-bellied Woodpecker *	<i>Melanerpes carolinus</i>								
Downy Woodpecker *	<i>Picoides pubescens</i>	3						X	1, 2, 6, 7
Hairy Woodpecker *	<i>Picoides villosus</i>								
Northern Flicker *	<i>Colaptes auratus</i>	1						X	1, 2, 6, 7
Eastern Wood-Pewee *	<i>Contopus virens</i>								
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>								
Alder Flycatcher	<i>Empidonax alnorum</i>								
Willow Flycatcher *	<i>Empidonax traillii</i>								
Least Flycatcher *	<i>Empidonax minimus</i>								
Eastern Phoebe	<i>Sayornis phoebe</i>	1						X	1, 2, 6, 7
Great Crested Flycatcher *	<i>Myiarchus crinitus</i>								
Eastern Kingbird *	<i>Tyrannus tyrannus</i>								
White-eyed Vireo	<i>Vireo griseus</i>								
Blue-headed Vireo	<i>Vireo solitarius</i>								
Yellow-throated Vireo *	<i>Vireo flavifrons</i>								
Warbling Vireo *	<i>Vireo gilvus</i>								
Philadelphia Vireo	<i>Vireo philadelphicus</i>								
Red-eyed Vireo *	<i>Vireo olivaceus</i>								
Blue Jay *	<i>Cyanocitta cristata</i>	2						X	1, 2, 6, 7
American Crow *	<i>Corvus brachyrhynchos</i>								
Horned Lark	<i>Eremophila alpestris</i>								
Purple Martin *	<i>Progne subis</i>								
Tree Swallow *	<i>Tachycineta bicolor</i>								
Northern Rough-winged Swallow*	<i>Stelgidopteryx serripennis</i>								
Bank Swallow *	<i>Riparia riparia</i>								
Barn Swallow *	<i>Hirundo rustica</i>								
Cliff Swallow *	<i>Petrochelidon pyrrhonota</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Black-capped Chickadee *	<i>Poecile atricapillus</i>								
Tufted Titmouse *	<i>Baeolophus bicolor</i>								
Red-breasted Nuthatch	<i>Sitta canadensis</i>								
White-breasted Nuthatch *	<i>Sitta carolinensis</i>								
Brown Creeper	<i>Certhia americana</i>								
Carolina Wren *	<i>Thryothorus ludovicianus</i>								
House Wren *	<i>Troglodytes aedon</i>	1						X	1, 2, 6, 7
Winter Wren	<i>Troglodytes hiemalis</i>								
Sedge Wren	<i>Cistothorus platensis</i>								
Marsh Wren	<i>Cistothorus palustris</i>								
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>								
Golden-crowned Kinglet	<i>Regulus satrapa</i>								
Ruby-crowned Kinglet	<i>Regulus calendula</i>								
Eastern Bluebird	<i>Sialia sialis</i>								
Veery	<i>Catharus fuscescens</i>								
Gray-cheeked Thrush	<i>Catharus minimus</i>								
Swainson's Thrush	<i>Catharus ustulatus</i>	3						X	1, 2, 6, 7, 14
Hermit Thrush	<i>Catharus guttatus</i>								
Wood Thrush *	<i>Hylocichla mustelinus</i>								
American Robin *	<i>Turdus migratorius</i>	11					X	X	15
Gray Catbird *	<i>Dumetella carolinensis</i>	6						X	1, 2, 6, 7
Northern Mockingbird	<i>Mimus polyglottos</i>								
Brown Thrasher *	<i>Toxostoma rufum</i>								
European Starling *	<i>Sturnus vulgaris</i>	55	X	X	X			X	1, 2, 16, 17
American Pipit	<i>Anthus rubescens</i>								
Cedar Waxwing *	<i>Bombycilla cedrorum</i>	2						X	1, 2, 6, 7
Blue-winged Warbler	<i>Vermivora cyanoptera</i>								
Golden-winged Warbler	<i>Vermivora chrysoptera</i>								
Tennessee Warbler	<i>Oreothlypis peregrina</i>								
Orange-crowned Warbler	<i>Oreothlypis celata</i>								
Nashville Warbler *	<i>Oreothlypis ruficapilla</i>								
Northern Parula	<i>Setophaga americana</i>								
Yellow Warbler *	<i>Setophaga petechia</i>								
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>								
Magnolia Warbler	<i>Setophaga magnolia</i>								
Cape May Warbler	<i>Setophaga tigrina</i>								
Black-throated Blue Warbler	<i>Setophaga virens</i>								
Yellow-rumped Warbler	<i>Setophaga coronata</i>								
Black-throated Green Warbler	<i>Setophaga virens</i>								
Pine Warbler	<i>Setophaga pinus</i>								
Prairie Warbler	<i>Setophaga discolor</i>								
Palm Warbler	<i>Setophaga palmarum</i>	1						X	1, 2, 6, 7
Bay-breasted Warbler	<i>Setophaga castanea</i>								
Blackpoll Warbler	<i>Setophaga striata</i>	7			X			X	1, 2, 7, 18

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Cerulean Warbler	<i>Setophaga cerulea</i>								
Black-and-white Warbler	<i>Mniotilta varia</i>								
American Redstart	<i>Setophaga ruticilla</i>								
Prothonotary Warbler	<i>Protonotaria citrea</i>								
Ovenbird *	<i>Seiurus aurocapilla</i>								
Northern Waterthrush	<i>Parkesia noveboracensis</i>								
Mourning Warbler *	<i>Geothlypis philadelphia</i>								
Common Yellowthroat *	<i>Geothlypis trichas</i>	2						X	1, 2, 6, 7
Wilson's Warbler	<i>Cardellina pusilla</i>								
Canada Warbler	<i>Cardellina canadensis</i>								
Yellow-breasted Chat	<i>Icteria virens</i>								
Scarlet Tanager *	<i>Piranga olivacea</i>								
Eastern Towhee *	<i>Pipilo erythrophthalmus</i>								
American Tree Sparrow	<i>Spizella arborea</i>								
Chipping Sparrow *	<i>Spizella passerina</i>								
Field Sparrow *	<i>Spizella pusilla</i>								
Vesper Sparrow *	<i>Poocetes gramineus</i>								
Savannah Sparrow *	<i>Passerculus sandwichensis</i>								
Grasshopper Sparrow	<i>Ammodramus savannarum</i>								
Henslow's Sparrow	<i>Ammodramus henslowii</i>								
Fox Sparrow	<i>Passerella iliaca</i>								
Song Sparrow *	<i>Melospiza melodia</i>	8	X					X	1, 2, 7, 19
Lincoln's Sparrow	<i>Melospiza lincolnii</i>								
Swamp Sparrow *	<i>Melospiza georgiana</i>	1				X			6, 7, 20
White-throated Sparrow	<i>Zonotrichia albicollis</i>								
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>								
Dark-eyed Junco	<i>Junco hyemalis</i>								
Lapland Longspur	<i>Calcarius lapponicus</i>								
Snow Bunting	<i>Plectrophenax nivalis</i>								
Northern Cardinal *	<i>Cardinalis cardinalis</i>	3		X	X			X	1, 2, 6, 21
Rose-breasted Grosbeak *	<i>Pheucticus ludovicianus</i>								
Indigo Bunting *	<i>Passerina cyanea</i>								
Dickcissel	<i>Spiza americana</i>								
Bobolink *	<i>Dolichonyx oryzivorus</i>	1						X	1, 2, 4, 6, 7, 22
Red-winged Blackbird *	<i>Agelaius phoeniceus</i>	5	X	X				X	1, 2, 6, 7, 23
Eastern Meadowlark *	<i>Sturnella magna</i>								
Rusty Blackbird	<i>Euphagus carolinus</i>								
Common Grackle *	<i>Quiscalus quiscula</i>	85						X	1, 2, 7, 24
Brown-headed Cowbird *	<i>Molothrus ater</i>								
Orchard Oriole *	<i>Icterus spurius</i>								
Baltimore Oriole *	<i>Icterus galbula</i>								
Purple Finch	<i>Haemorhous purpureus</i>								
House Finch *	<i>Haemorhous mexicanus</i>								
Red Crossbill	<i>Loxia curvirostra</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
White-winged Crossbill *	<i>Loxia leucoptera</i>								
Common Redpoll	<i>Acanthis flammea</i>								
Pine Siskin *	<i>Spinus pinus</i>								
American Goldfinch *	<i>Spinus tristis</i>	2					X	X	1, 2, 7, 25
Evening Grosbeak	<i>Coccothraustes vespertinus</i>								
House Sparrow *	<i>Passer domesticus</i>								
SPECIES TOTAL		28							

LEGEND

Number means the maximum total observed within the fenceline at the facility; effort was made to avoid any double-counting.

* Indicates species known or suspected to breed in the general area encompassing the site based on generalized state maps (showing county boundaries) presented in "The Atlas of Breeding Birds of Michigan" by R. Brewer et al. (MSU Press: East Lansing, 1991). It should be emphasized that many of the species indicated as breeding birds have specific habitat requirements that are not met by the industrial environment at the Schaefer Road Wastewater Treatment Plant (SRWWTP) and the surrounding area. Thus, species marked with an asterisk above should not be assumed to breed at or even adjacent to the SRWWTP.

Species list adapted from "Bird Checklist of Michigan" (Thayer's Birding Software, 1999) considering habitat provided by site and immediately surrounding areas. Nomenclature is based on the 53rd Supplement to the American Ornithologists' Union "Checklist of North American Birds" (2012).

Bird data collected at five different stations over five-minute intervals throughout the day. Survey performed by Michael Carlson from 5:20 AM to 8:10 PM.

X indicates observations made. It should be emphasized that "X" means that the species was observed within the fenceline of the SRWWTP in proximity to the particular impoundment and, unless otherwise noted, not on or in contact with the water or immediately adjacent to the water at a particular impoundment. In many cases, the species was observed flying over the pond, sometimes higher than 200 feet.

Impoundment Designations:

- L Sludge Ponds
- C Clarifiers
- S Secondary Lagoon
- P Primary Lagoon
- D Diked Lagoon

Other Area Designations:

- B Bermed Area

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

BIRD SURVEY RESULTS

Wednesday, September 19, 2012

NOTES

1. Individual(s) was not observed at or near the water's edge of any of the wastewater treatment ponds and lagoons.
2. Individual(s) showed no interest in water surfaces of the SRWWTP wastewater treatment ponds and lagoons.
3. One individual was observed at 05:45 to call as it flew over the bermed area proper. Presumably a different individual- an adult- was observed at 10:37 to flush from a large cottonwood on the west side of the north end of the dogleg of the bermed area due to the nearby presence of the wildlife specialist. The bird was observed to silently fly north approximately 12-20 feet above the water surface. This individual was only viewed through the naked eye, albeit a relatively close range. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that oil would likely have been apparent on the birds due to the pale gray neck and whitish face and whitish marginal coverts which are characteristic of the adult plumage of this species.
4. Individual(s) observed flying over the SRWWTP.
5. At 08:59 two individuals were observed to fly east over the dogleg of the bermed area and then south-southeast over the plain west of the Primary Lagoon and the south end of the Secondary Lagoon at an estimated height of approximately 100-120 feet above ground surface. Around 09:30 a flock of 7 individuals was observed to fly directly west over the Secondary and Primary Lagoons at an estimated height of approximately 150-180 feet above ground surface. Some of these birds were viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on any of these individuals. It should be noted that any oil would likely have been apparent on these birds, due to the white throat-cheek patch, white vent, white femoral tract and rump, and pale breast which characterize this species.
6. Individual heard, but not seen.
7. Individual(s) likely recently arrived migrant(s) or still in the process of migration.
8. At 19:57 one individual was observed to call from the west end of the bermed area proper.
9. At 20:00 one individual was observed to call from the north end of the dogleg of the bermed area.
10. Around 05:20 one individual was observed to call from what sounded like the top of the west central bank of the Secondary Lagoon. The calling did not appear to be provoked by the approach or presence of the wildlife specialist or the operator's vehicle. Around 05:36 one individual was observed to call from what sounded like the road north of the Diked Lagoon near Station No. 5. At the same time a second individual was observed to call from what sounded like the plain northwest of the Primary Lagoon. At 05:45 one individual was observed to call from what sounded like the road north of the Diked Lagoon and then to call from the airspace over the Diked Lagoon. At 05:58 one individual was observed to call from the plain northwest of the Primary Lagoon and three presumably different individuals were observed to noisily call from the plain west of the Primary Lagoon. Around 06:03 two individuals were observed to call from what sounded like the plain northwest of the Primary Lagoon. Approximately two minutes later, seemingly two different individuals were observed to alarm call and to flush from what sounded like the plain west of the Primary Lagoon in response to the operator driving south on the road west of the Primary Lagoon. The birds were observed to fly south over Station No. 3 and to circle over the Primary Lagoon twice at an estimated height of approximately 15-30 feet above ground surface. Around 06:27 one individual was observed to call from what sounded like the plain west of the Primary Lagoon. Around 09:11 presumably a different individual was observed to fly east and then north over the Primary Lagoon at an estimated height of approximately 100-120 feet above ground surface. Around 20:03 one individual was observed to call from the airspace over the bermed area and Primary Lagoon. Around 20:10 one individual was observed to call from what sounded like the plain west of the Primary Lagoon. Approximately 30 seconds later

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

BIRD SURVEY RESULTS

Wednesday, September 19, 2012

NOTES

(Continued)

one individual was observed to call as it flew south over what sounded like the bermed area proper over the east end of the Diked Lagoon. This individual was then observed to call from what sounded like the plain north of the Primary Lagoon. Only one or two of the individuals- all adults- were viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on any of these individuals. It should be noted that any oil would likely have been apparent on these birds, due to the white eyebrow (adult only), forehead, throat, collar (adult only), lower breast (adult only), belly, vent, wing stripe, tail tip, and underwing coverts that characterize the plumage of this species.

11. At 08:13 one adult was observed to fly west over the Secondary and Primary Lagoons at an estimated height of approximately 100-120 feet above ground surface. Around 19:18 presumably a different third or fourth year adult was observed to fly south over the dogleg of the bermed area at an estimated height of approximately 150-180 feet above ground surface. Both of these individuals were viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on either of these individuals. It should be noted that any oil would likely have been very apparent on these third and fourth year adults, due to the birds' prominent white plumage on the head, breast, belly, and underwing.
12. At 7:18 one individual was observed to fly north over the Sludge Ponds and Secondary Lagoon at an estimated height of approximately 20-25 feet above ground surface. Around 18:11 a second individual was observed to fly west over the clarifiers, the Secondary Lagoon, and the plain south of the Primary Lagoons at an estimated height of approximately 20-30 feet above ground surface. Both birds were only viewed through the naked eye at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on either of these individuals. It should be noted that any oil would likely have been apparent due to the pale beige coloration of the underparts and white tips of the tail feathers which characterize the plumage of this species.
13. Around 19:18 one individual was observed to aerially forage for flying insects as it flew gradually south over the west edge of the dogleg of the bermed area and the plain west of the Primary Lagoon at an estimated height of approximately 200-225 feet above ground surface. Although, from a probability standpoint, the individual was a Chimney Swift, it appeared to be smaller bodied and shorter-winged than individuals of this species. Moreover, the flight was decidedly more buoyant with deeper and more numerous wing beats than a typical Chimney Swift. The individual was observed to repeatedly flap its wings and then glide both up and down in a manner strongly suggesting a Cliff Swallow. Given these observations the bird possibly was a Vaux's Swift, a western species very rarely found east of the Mississippi. Unfortunately the bird appeared as a silhouette, and no plumage coloration or variation, which may have confirmed the bird as a Vaux's, could be seen despite observing the bird through binoculars for at least two minutes.
14. Around 05:47 two individuals were observed to flight call from the night sky over the bermed area above Station No. 5. Based on the shift in the volume of vocalizations, the birds appeared to be flying south. It is quite possible that more individuals were calling as they were migrating but these were obliterated by background traffic and mill noise. Around 06:48 one individual was observed to call from a tree on the south edge of the bermed area east of Station No. 5.
15. Around 05:36 two individuals were observed to call from the bermed area. Around 06:48 presumably a different individual was observed to call from the bermed area. Around 07:47 two adults were observed to forage on the middle to lower slopes of the west central bank of the Diked Lagoon. One bird was observed to forage approximately 4 inches from the water's edge. Around 08:39 presumably one of the same adults was observed to forage at the mid-slope of the west central bank of the Diked Lagoon. At the same time a presumably different individual was observed to fly over the bermed area and to land in a tree along the east edge of the dogleg of the bermed area where it was observed to rest. At 10:32 one immature was observed to forage along the top of the north bank of the Diked Lagoon opposite just west of Station No. 5. This bird was observed to be molting its head feathers. Approximately 30-45 seconds later three individuals were observed to vocalize from

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(Continued)

the trees at the south edge of the bermed area proper. At 10:37 two additional individuals were observed to call from the dogleg of the bermed area while one of the previous individuals was observed to call from the southwest edge of the bermed area proper. Several of these individuals were viewed through binoculars. No evidence of oil or discoloration, or matted feathers was observed on any of these individuals. It should be noted that oil would likely have been apparent on the adults, due to the yellowish bill, orangish breast and belly, white undertail coverts and white tail spots which are characteristic of the adult plumage of this species. Moreover, oil would likely have been apparent on the immature bird, due to the white throat and small white spots on wing coverts and upperparts which typify the immature plumage of this species. Based on observations of repeated use of the banks of the Diked Lagoon by individuals of this species during the survey, the wildlife specialist requested the operator to replace Mylar ribbons around the perimeter of the Diked Lagoon. This work was initiated by the operator within minutes of the request the afternoon of the survey.

16. Not a protected migratory bird.
17. Around 09:21 one individual molting into basic plumage was observed to sing from atop the utility pole in the open area east of the East Sludge Pond. At 09:44 presumably the same individual was observed to sing from the antenna on the roof of the SRWWTP Office, located between the north and south clarifiers on the west side. Around 09:50 the same individual was observed to sing from the antenna atop the SRWWTP Office. Around 09:57 the same bird was observed on the same antenna to mostly rest but occasionally sing. Around 10:56 presumably the same individual was observed to sing from atop the light pole at the east perimeter fence between the north and south clarifiers. Around 11:05 the same bird was observed to sing atop the same light pole. Around 19:10 seven individuals were observed to rest in a cottonwood in the bermed area proper with some blackbirds. Around 19:37 a group of 47 individuals was observed to fly north over the Sludge Ponds and the Secondary Lagoon at an estimated height of approximately 175-200 feet above ground surface.
18. At 05:47 two individuals were observed to flight call from the night sky over the bermed area over Station No. 5. Based on the shift in the volume of vocalizations, the birds appeared to be flying south. It is quite possible that more individuals were calling as they were migrating but these were obliterated by background traffic and mill noise. At 07:44 two individuals were observed to call from the bermed area. Around 07:47 one individual was observed to call from the bermed area. At 07:58 one immature was observed to forage in a tree near the south edge of the bermed area proper approximately 15 feet northwest of the intersection of the north and east roads at the Diked Lagoon. Approximately 120 seconds later this bird was observed to call and to fly west-northwest to a tree inside the bermed area proper. At 10:37 presumably a different individual was observed to call from the dogleg of the bermed area. Only one individual was viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that oil would likely have been apparent on this bird due to the white belly and undertail coverts, white wing-bars, pale yellow breast, and light-colored feet which characterize the immature plumage of this species in the fall.
19. Around 06:48 three individuals were observed to vocalize from the bermed area proper and one individual was observed to call from the north end of the dogleg of the bermed area. At 08:03 presumably a different individual was observed to call from the south end of the dogleg of the bermed area. Around 08:49 one individual was observed to call and one individual was observed to sing from the bermed area. At 10:03 two individuals were observed to rest in the west perimeter fence near the southwest corner of the West Sludge Pond. Both these individuals were observed seconds later to jump to the ground and to begin foraging near the junction of the west perimeter fence and the top of the northwest bank of the West Sludge Pond. At the approach of the wildlife specialist, one individual was observed to fly a short distance to the fence, and then fluttered down to the grass west of the perimeter fence outside the SRWWTP, where it was observed to forage. Only the latter two individuals were actually seen and viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on either of these individuals. It should be noted that oil would likely have been apparent on these birds, due to the whitish throat, belly, and undertail coverts as well as the pale

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supercilium and submoustachial stripe which characterize the adult plumage of the eastern race of this species.

20. Around 07:03 one individual was observed to call from what sounded like the lower to middle slope of the southeast bank of the Primary Lagoon.
21. At 08:03 one individual was observed to call from the south end of the dogleg of the bermed area. Around 11:05 one individual was observed to call from the pines along the east perimeter fence opposite the sheds north of the north clarifier. At 13:57 presumably a different individual was observed to call from the trees along the east perimeter fence approximately 85 feet northeast of the northernmost storage shed north of the north clarifier. At 19:57 presumably the 08:03 individual was observed to call from the dogleg of the bermed area.
22. Around 05:47 one individual was observed to flight call from the night sky over the bermed area over Station No. 5. Based on the shift in the volume of vocalizations, this bird appeared to be flying northeast or may have been circling at the time it was observed.
23. Around 07:47 one male in basic plumage was observed to fly north over the dogleg of the bermed area and to land in a tree at the south edge of the bermed area proper, where it was observed to call. Around 09:50 presumably a different male in basic plumage was observed to fly east over the Sludge Ponds and south clarifier at an estimated height of 20-30 feet above ground surface. Around 19:10 three individuals were observed to rest with a group of blackbirds and starlings in a cottonwood in the bermed area proper.
24. Around 07:47 one individual was observed to call from the bermed area. At 19:03 a flock of 65 individuals was observed to fly north over the south end of the dogleg of the bermed area and to land in a cottonwood tree there, where the birds were observed to call noisily. At 19:04 the propane cannon at the Primary Lagoon fired and immediately approximately 50 individuals were observed to flush from the tree and to fly west, and then south. Approximately 5-10 seconds later the propane cannon at the Diked Lagoon fired, and 10 more individuals were observed to quickly vacate the cottonwood and fly south-southwest. After approximately 20 more seconds five more individuals were observed to flush from the tree and to fly south. Around 19:10 approximately 10 individuals were observed to call from the bermed area. At the same time one individual was observed to call from a tree in the bermed area proper, and was observed to fly to a different tree and to call. This individual was molting its tail which appeared quite short.
25. At 07:58 one individual was observed to call from the bermed area proper. At 08:03 one individual was observed to fly north over the Diked Lagoon and bermed area. The latter bird was not viewed through binoculars and was only seen as a silhouette. Thus, no conclusion can be made concerning the condition of plumage of this individual.

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

ANIMAL SIGN OBSERVED

DATE: 9-19-12

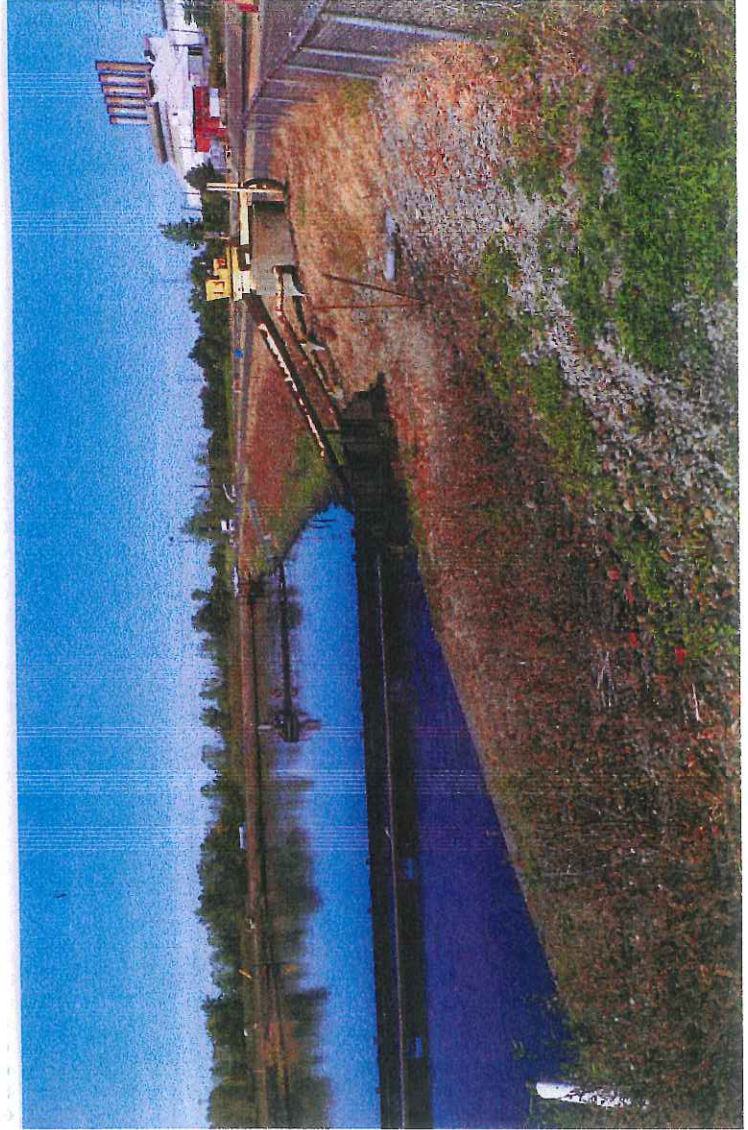
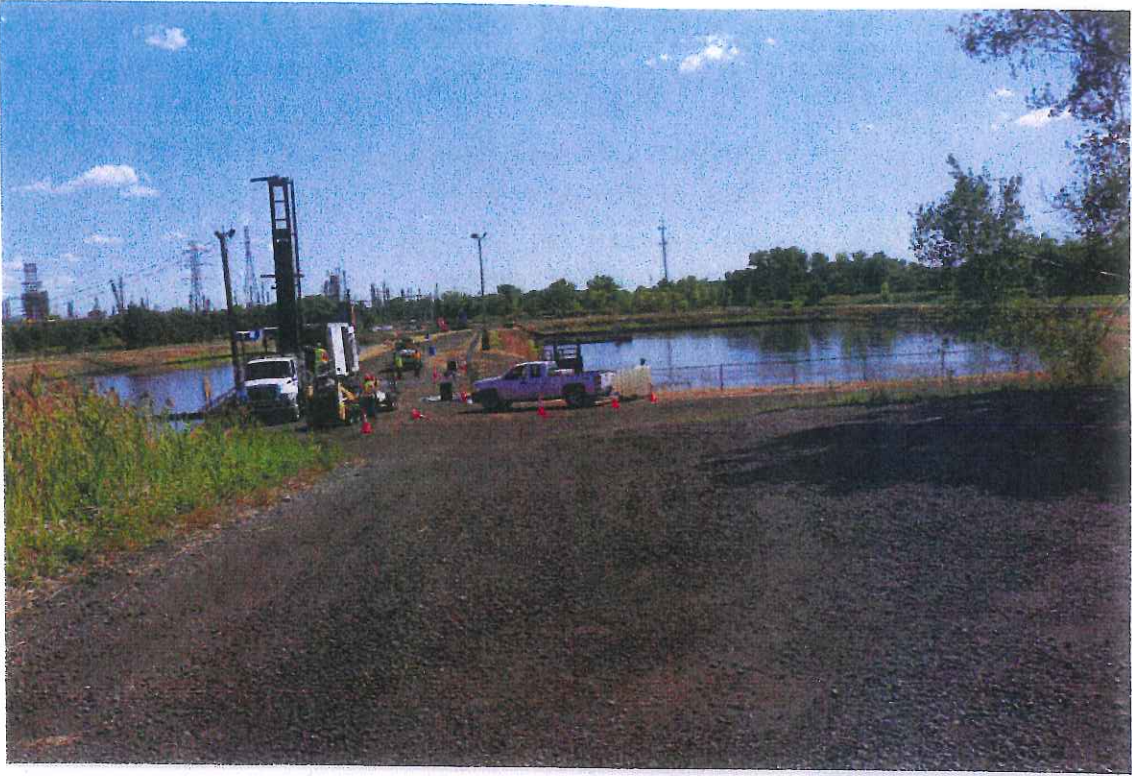
1	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: at the top of the southeast bank of the Secondary Lagoon approximately 6-8 feet southwest of belt skimmer			Status: probably inactive		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on: 1 entrance over grown with vegetation	
Additional Sign Present: none			Note: Behavior: NA			
2	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: under southwest foundation of pumphouse at top of northeast bank of Secondary Lagoon			Status: probably active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on: Woodchuck observed at burrow entrance at concrete slab once during September 2011 survey.	
Additional Sign Present: none			Note: Behavior: NA			
3	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: mid-slope of northeast bank of Primary Lagoon, approximately 15 feet northwest of utility pole			Status: active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on: significant excavated material at entrance observed in June survey	
Additional Sign Present: none			Note: Likely connected to Item 4. Behavior: NA			
4	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: outside (1 foot east of) east side of Primary Lagoon fence, approximately 8 feet north of utility pole near northeast corner of Primary Lagoon			Status: possibly active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on: entrance appears to have been somewhat modified since last survey	
Additional Sign Present: none			Note: Likely connected to Item 3. Behavior: NA			
5	Type: scat	Species: EASTERN COTTONTAIL	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 13	<input checked="" type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of south central bank of the Primary Lagoon, approximately 25 feet east of former weather station			Status: NA		From 1 individual(s)	
Photo #: 10			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note: Fly visiting. Behavior: unknown			

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

ANIMAL SIGN OBSERVED

DATE: 9-19-12

6	Type: scat	Species: EASTERN COTTONTAIL	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: ~31	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: top of the west bank of the Primary Lagoon, approximately 30 feet southwest of yellow standpipe			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: unknown	
Additional Sign Present: none			Note:			
7	Type: track	Species: GREAT BLUE HERON	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 4	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input checked="" type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: 1.5 feet east of the west end of the top of the weir at the south end of the Primary Lagoon			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: walking	
Additional Sign Present: none			Note:			
8	Type: burrow	Species: EASTERN COTTONTAIL	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From NA individual(s)
Location: approximately 2.5 feet west of utility pole at top of southwest bank of Secondary Lagoon			Status: unknown		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
9	Type: scat	Species: COYOTE	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input checked="" type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: west shoulder of road west of the Diked Lagoon directly opposite intersection of south road			Status: NA		Based on: NA	
Photo #: 15			Sizing Basis: inch ruler		Behavior: unknown	
Additional Sign Present: none			Note: Scats are very hard and dry. Contain some reddish brown seeds.			
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From individual(s)
Location:			Status:		Based on:	
Photo #:			Sizing Basis:		Behavior:	
Additional Sign Present:			Note:			



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#7: Primary (right) and Secondary (left) Lagoons looking south from approximately 12 feet northeast of Station No. 4. Note propane cannon and air-dancer in place. Drill rig installing monitoring wells.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

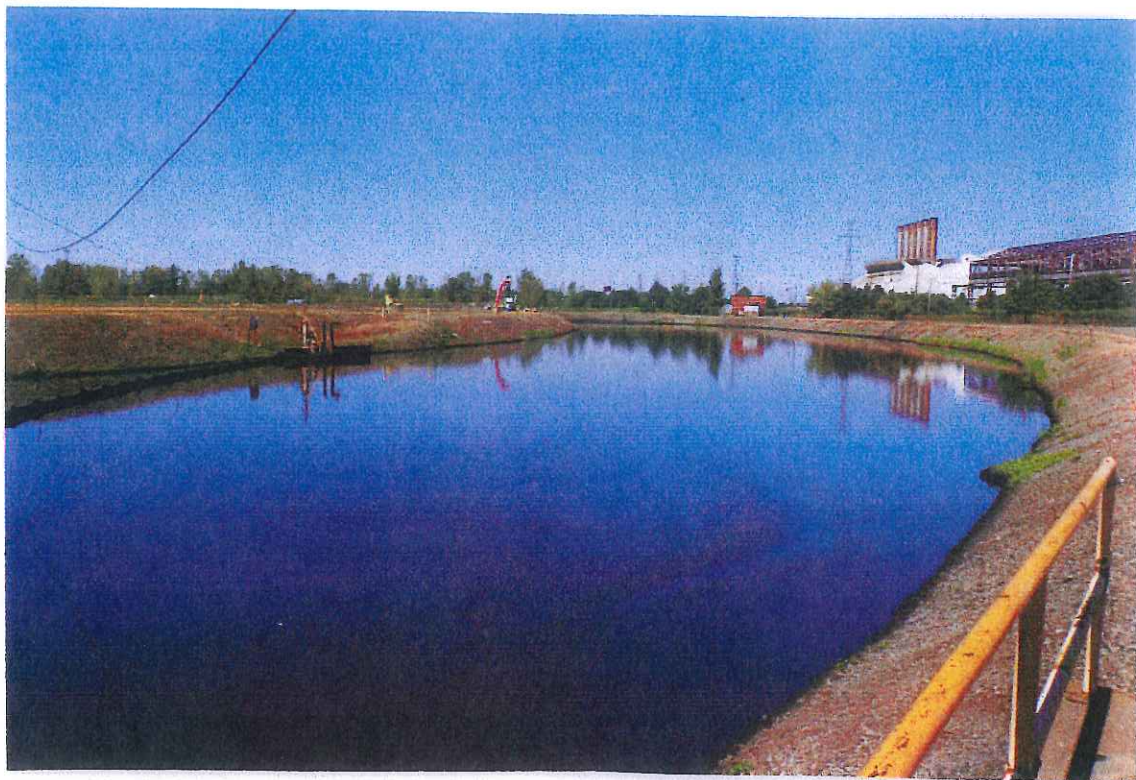
Photographed by Michael Carlson
September 19, 2012 - afternoon

#8: Primary Lagoon, looking northwest from approximately 5 feet north of the southeast corner of Primary Lagoon fence. Note baffle & weir, TVT (right), hoist (far right), and propane cannon, air-dancer, & OMI 2 (back center).

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#9: East side of Primary Lagoon, looking north from approximately 5 feet north of the southeast corner of Primary Lagoon fence. Note Primary Lagoon fence and air-dancer in-place; baffle and weir, OMI 1, and TVT.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#4: Secondary Lagoon, looking north from top of stairs to lower level of Belt Skimmer. Note south diagonal boom and overhead electrical lines at far left. Note propane cannon and air dancer in-place

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

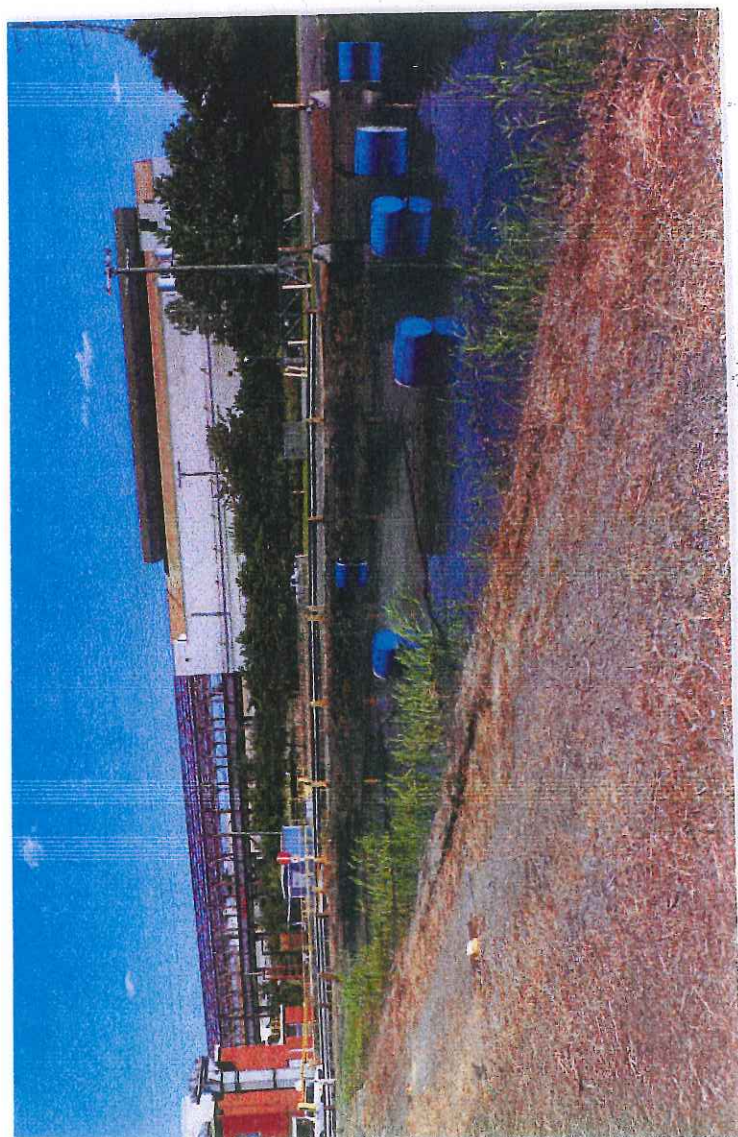
Photographed by Michael Carlson
September 19, 2012 - afternoon

#5: East end of Diked Lagoon, looking north from Station No. 4, located opposite the southeast corner of the lagoon. Note littoral area, cattails, & cabling for Mylar ribbons. Bermed area proper in left background.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#6: Diked Lagoon, looking west from Station No. 4, located opposite the southeast corner of the lagoon. Note propane cannon in-place and cabling for Mylar ribbons. Dogleg of bermed area in left background.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#1: Water's edge of west side of East Sludge Pond approximately 8 feet south of Station No. 1, looking down and east. Note 4 Green Frogs in water. Blurry diagonal lines evenly spaced appear to be due to mesh of netting.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

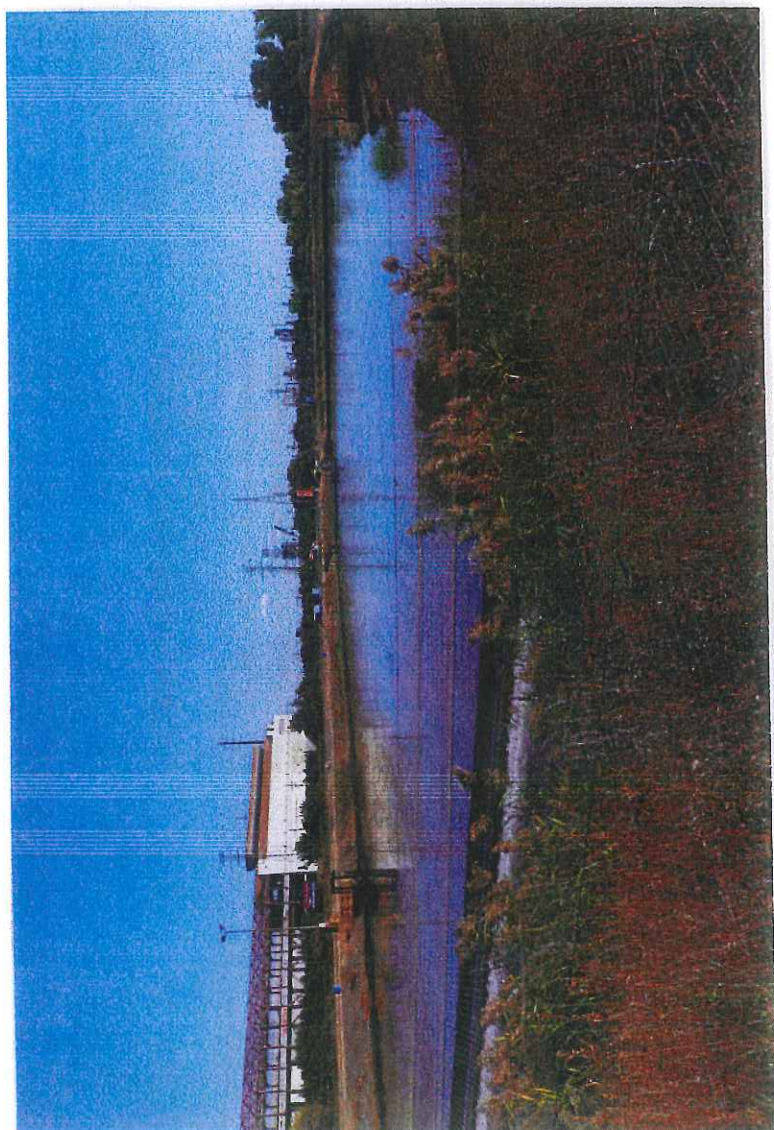
Photographed by Michael Carlson
September 19, 2012 - afternoon

#2: East Sludge Pond, looking east-northeast from approximately 35 feet north of skimmer tank. Note netting, spacer drums, and east perimeter fence in-place. SRWWTP Office at far left.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#3: West Sludge Pond, looking northwest from approximately 35 feet north of skimmer tank. Note netting, spacer drum (far left), and west perimeter fence in-place.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#10: Ground at top of south central bank of Primary Lagoon approximately 25 feet east of former weather station, looking down and west. Note Eastern Cottontail scat and inch ruler for scale.

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SCHAEFER ROAD WWTP

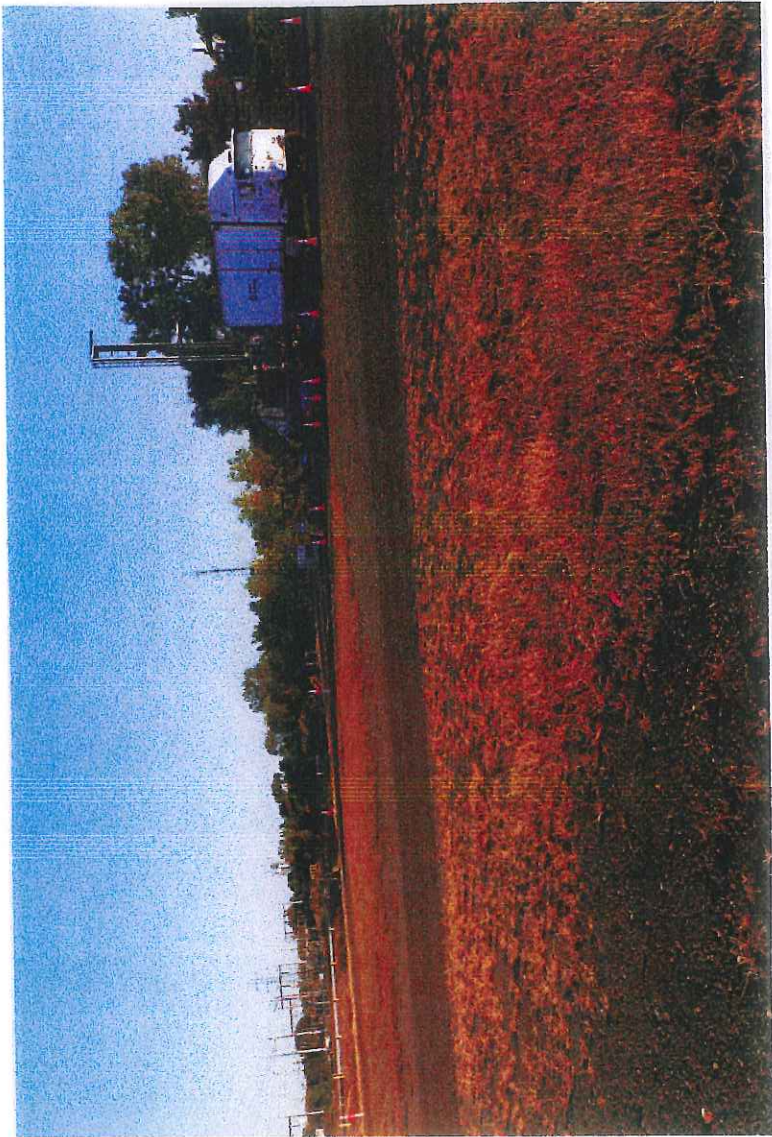
Photographed by Michael Carlson
September 19, 2012 - afternoon

#11: Primary Lagoon looking southeast from near the northwest corner of the Primary Lagoon fence. Note netting, propane cannon, & air-dancer in-place. Primary Lagoon outfall in foreground; and OMI 2 tray (far right).

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Photographed by Michael Carlson
September 19, 2012 - afternoon

#12: North end of Primary Lagoon, looking east-northeast from under the net approximately 4 feet north of the west three feet of the OMI 2 mop tray. Note netting in-place.



SEVERSTAL DEARBORN, LLC.
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Photographed by Michael Carlson
September 19, 2012 - afternoon

#13: Main north-south road looking south from approximately 25 feet south of the northwest corner of the Secondary Lagoon. Note air-dancers, propane cannon, & Primary Lagoon fence in-place. Monitoring well in foreground.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

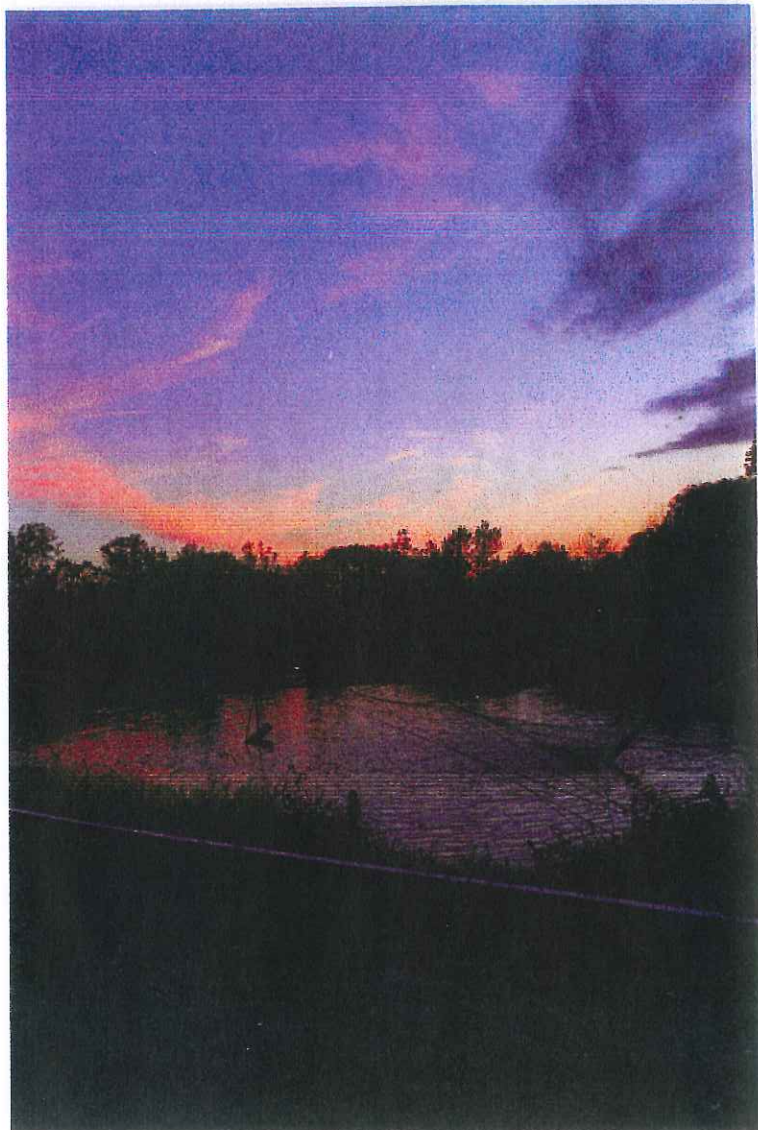
Photographed by Michael Carlson
September 19, 2012 - afternoon

#14: Plain south of Primary Lagoon, looking south-southwest from Station No. 3. South end of Secondary Lagoon in left background. Background tree line is all west of SRWWTP. Drill rig installing monitoring well.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#15: Ground at west shoulder of road west of Diked Lagoon directly opposite the intersection of the roads west and south of the Diked Lagoon, looking down and west. Note Coyote scat and inch ruler for scale.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#16: Dogleg of the bermed area looking west from the west edge of the road west of the Diked Lagoon approximately 35 feet southwest of the northwest corner of the Diked Lagoon.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
September 19, 2012 - afternoon

#17: West Sludge Pond at sunset, looking southwest from Station No. 1, located at the top of the bank at the southwest corner of the East Sludge Pond. Aerator (right) and influent pipe (left of center).

APPENDIX B

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

September 1 to September 30, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
120	7	3	1	Near Bermed area and near Secondary lagoon	0	NA

*During dawn and dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	30 days	30 days	4	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012 9/1	7:00 AM	N	N	N	N	0	N	RC
9/1	9:00 AM	N	N	N	N	0	N	RC
9/1	1:00 PM	N	N	N	N	0	N	RC
9/1	7:00 PM	N	N	N	N	0	N	RC
9/2	6:30 AM	N	N	N	N	0	N	RC
9/2	9:00 AM	N	N	N	N	0	N	RC
9/2	1:00 PM	N	N	N	N	0	N	RC
9/2	9:00 PM	N	N	N	N	0	N	RC
9/3	7:00 AM	N	N	N	N	0	N	RC
9/3	9:00 AM	N	N	N	N	0	N	RC
9/3	1:00 PM	N	N	N	N	0	N	RC
9/3	8:30 PM	N	N	N	N	0	N	RC
9/4	6:30 AM	N	N	N	N	0	N	RC
9/4	9:00 AM	N	N	N	N	0	N	RC
9/4	1:00 PM	N	N	N	N	0	N	RC
9/4	8:30 PM	N	N	N	N	0	N	RC
9/5	6:30 AM	KILLDEER	N	N	N	2	Flow away	RC
9/5	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012								
9/5	1:00 PM	N	N	N	N	0	N	RC
9/5	8:00 PM	N	N	N	N	0	N	RC
9/6	7:00 AM	N	N	N	N	0	N	RC
9/6	9:00 AM	N	N	N	N	0	N	RC
9/6	1:00 PM	N	N	N	N	0	N	RC
9/6	7:00 PM	N	N	N	N	0	N	RC
9/7	7:00 AM	BLACK BITES(8)	Y	N	D	0	Flew UP in trees	RC
9/7	9:00 AM	N	N	N	N	0	N	RC
9/7	1:00 PM	N	N	N	N	0	N	RC
9/7	7:00 PM	N	N	N	N	0	N	RC
9/8	7:00 AM	N	N	N	N	0	N	RC
9/8	9:00 AM	N	N	N	N	0	N	RC
9/8	1:00 PM	N	N	N	N	0	N	RC
9/8	7:00 PM	N	N	N	N	0	N	RC
9/9	7:00 AM	N	N	N	N	0	N	RC
9/9	9:00 AM	N	N	N	N	0	N	RC
9/9	1:00 PM	N	N	N	N	0	N	RC
9/9	7:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
9/10	6:30 AM	N	N	N	N	0	N	HT
9/10	9:00 AM	N	N	N	N	0	N	RE
9/10	1:00 PM	N	N	N	N	0	N	RE
9/10	8:30 PM	N	N	N	N	0	N	HT
9/11	6:30 AM	Kill DEER	N	N	B	2	FLEW AWAY	HT
9/11	9:00 AM	N	N	N	N	0	N	SC
9/11	1:00 PM	N	N	N	N	0	N	SC
9/11	8:30 PM	N	N	N	N	0	N	HT
9/12	6:30 AM	N	N	N	N	0	N	HT
9/12	9:00 AM	N	N	N	N	0	N	RE
9/12	1:00 PM	N	N	N	N	0	N	RE
9/12	8:30 PM	N	N	N	N	0	N	SC
9/13	6:30 AM	GRAY BLUE HERON	Y	Y	S	2	FLEW AWAY	SC
9/13	9:00 AM	N	N	N	N	0	N	SC
9/13	1:00 PM	N	N	N	N	0	N	SC
9/13	7:00 PM	N	N	N	N	0	N	SC
9/14	7:00 AM	N	N	N	N	0	N	RE
9/14	9:00 AM	N	N	N	N	0	N	SC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012								
9/14	1:00 PM	N	N	N	N	0	N	SC
9/14	7:00 PM	N	N	N	N	0	N	SC
9/15	7:00 AM	N	N	N	N	0	N	SC
9/15	9:00 AM	N	N	N	N	0	N	SC
9/15	1:00 PM	N	N	N	N	0	N	SC
9/15	7:00 PM	N	N	N	N	0	N	SC
9/16	7:00 AM	N	N	N	N	0	N	SC
9/16	9:00 AM	N	N	N	N	0	N	SC
9/16	1:00 PM	N	N	N	N	0	N	SC
9/16	7:00 PM	N	N	N	N	0	N	SC
9/17	7:00 AM	N	N	N	N	0	N	SC
9/17	9:00 AM	N	N	N	N	0	N	SC
9/17	1:00 PM	N	N	N	N	0	N	SC
9/17	7:00 PM	N	N	N	N	0	N	SC
9/18	6:30 AM	N	N	N	N	0	N	SC
9/18	9 AM	N	N	N	N	0	N	C.L
9/18	1 PM	N	N	N	N	0	N	C.L
9/18	6:30 PM	N	N	N	N	0	N	C.L

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\Srwwtp oil management insp. log sheet activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
9/19	6:45 AM	N	N	N	N	0	N	CH
9/19	9:00 AM	N	N	N	N	0	N	C.L.
9/19	2:00 PM	N	N	N	N	0	N	C.L.
9/19	6:20 PM	N	N	N	N	0	N	C.L.
9/20	6:30 AM	N	N	N	N	0	N	CH
9/20	9:00 AM	N	N	N	N	0	N	C.L.
9/20	12:30 PM	N	N	N	N	0	N	C.L.
9/20	6:30 PM	N	N	N	N	0	N	C.L.
9/21	6:45 AM	N	N	N	N	0	N	CH
9/21	9:00 AM	N	N	N	N	0	N	C.L.
9/21	1 PM	N	N	N	N	0	N	C.L.
9/21	6:45 PM	N	N	N	N	0	N	C.L.
9/22	7:00 AM	N	N	N	N	0	N	CH
9/22	9:00 AM	N	N	N	N	0	N	AA
9/22	1:00 PM	N	N	N	N	0	N	A.H.
9/22	6:45 PM	N	N	N	N	0	N	A.H.
9/23	7:00 AM	N	N	N	N	0	N	CH
9/23	9:00 AM	BLUE HORNS	Y	N	S	0	N	AA

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
9/23	1:05 PM	N	N	N	N	0	N	AA
9/23	6:45 PM	N	N	N	N	0	N	AA
9/24	7:00 AM	N	N	N	N	0	N	AA
9/24	9:00 AM	N	N	N	N	0	N	AA
9/24	1:00 PM	N	N	N	N	0	N	AA
9/24	6:45 PM	N	N	N	N	0	N	AA
9/25	7:00 AM	N	N	N	N	0	N	AA
9/25	9:00 AM	N	N	N	N	0	N	AA
9/25	1:00 PM	House Finch	N	N	S	0	N	A.H.
9/25	6:30 PM	N	N	N	N	0	N	A.H.
9/26	1:00 PM	N	N	N	N	0	N	CL
9/26	9:00 AM	N	N	N	N	0	N	CL
9/26	1:00 PM	N	N	N	N	0	N	CL
9/26	7:00 PM	N	N	N	N	0	N	CL
9/27	7:00 AM	N	N	N	N	0	N	CL
9/27	9:00 AM	N	N	N	N	0	N	CL
9/27	1:00 PM	N	N	N	N	0	N	CL
9/27	6:00 PM	N	N	N	N	0	N	CL

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
9/28	7:00 AM	N	N	N	N	0	N	JT
9/28	9:00 AM	N	N	N	N	0	N	C.L.
9/28	1:00 PM	N	N	N	N	0	N	C.L.
9/28	6:00 PM	N	N	N	N	0	N	C.L.
9/29	7:00 AM	N	N	N	N	0	N	JT
9/29	9:00 AM	N	N	N	N	0	N	C.L.
9/29	1:00 PM	N	N	N	N	0	N	C.L.
9/29	6:30 PM	N	N	N	N	0	N	C.L.
9/30	7:00 AM	N	N	N	N	0	N	RC
9/30	9 A.M.	MORNING DOVES	N	N	S	0	N	A.H.
9/30	1:00 PM	N	N	N	N	0	N	A.A.
9/30	6:30 PM	N	N	N	N	0	N	A.A.

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\Srwwtp oil management insp. log sheet
activity log

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012 9/1	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
9/1	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
9/2	6:30 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
9/2	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
9/3	7:00 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	
9/3	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
9/4	6:30 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012 9/4	9:00 AM	N	N	Y	Y	N	N	N	RG
	1:00 PM	N	N	Y	Y	N	N	N	
9/5	6:30 AM	N	N	Y	Y	KILLED	N	N	RG
	8:00 PM	N	N	Y	Y	N	N	N	
9/5	9:00 AM	N	N	Y	Y	N	N	N	RG
	1:00 PM	N	N	Y	Y	N	N	N	
9/6	7:00 AM	N	N	Y	Y	N	N	N	RG
	7:00 PM	N	N	Y	Y	N	N	N	
9/6	9:00 AM	N	N	Y	Y	N	N	N	RG
	1:00 PM	N	N	Y	Y	N	N	N	
9/7	7:00 AM	N	N	Y	Y	N	N	N	RG
	7:00 PM	N	N	Y	Y	N	N	N	
9/7	9:00 AM	N	N	Y	Y	N	N	N	RG
	1:00 PM	N	N	Y	Y	N	N	N	

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012 9/8	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	7:00 PM	N	N	Y	Y	N	N	N	
9/8	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
9/9	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	7:00 PM	N	N	Y	Y	N	N	N	
9/9	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
9/10	6:30 AM	N	N	Y	Y	N	N	N	[Signature]
	6:30 PM	N	N	Y	Y	N	N	N	
9/10	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
9/11	6:30 AM	N	N	Y	Y	Kill DEER	N	N	[Signature]
	8:30 PM	N	N	Y	Y	N	N	N	

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012									
9/11	9:00 AM	N	N	Y	Y	N	N	N	SC
	1:00 PM	N	N	Y	Y	N	N	N	SC
9/12	6:30 AM	N	N	Y	Y	N	N	N	SC
	8:30 PM	N	N	Y	Y	N	N	N	SC
9/12	9:00 AM	N	N	Y	Y	N	N	N	SC
	1:00 PM	N	N	Y	Y	N	N	N	SC
9/13	6:30 AM	N	N	Y	Y	BLUE HERONS - 3	N	N	SC
	7:00 PM	N	N	Y	Y	N	N	N	SC
9/13	9:00 AM	N	N	Y	Y	N	N	N	SC
	1:00 PM	N	N	Y	Y	N	N	N	SC
9/14	7:00 AM	N	N	Y	Y	N	N	N	SC
	7:00 PM	N	N	Y	Y	N	N	N	SC
9/14	9:00 AM	N	N	Y	Y	N	N	N	SC
	1:00 PM	N	N	Y	Y	N	N	N	SC

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012									
9/15	7:00 AM	N	N	Y	Y	N	N	N	RC
9/15	7:00 PM	N	N	Y	Y	N	N	N	RC
9/15	9:00 AM	N	N	Y	Y	N	N	N	RC
9/15	1:00 PM	N	N	Y	Y	N	N	N	RC
9/16	7:00 AM	N	N	Y	Y	N	N	N	RC
9/16	7:00 PM	N	N	Y	Y	N	N	N	RC
9/16	9:00 AM	N	N	Y	Y	N	N	N	RC
9/16	1:00 PM	N	N	Y	Y	N	N	N	RC
9/17	7:00 AM	N	N	Y	Y	N	N	N	RC
9/17	7:00 PM	N	N	Y	Y	N	N	N	RC
9/17	9:00 AM	N	N	Y	Y	N	N	N	RC
9/17	1:00 PM	N	N	Y	Y	N	N	N	RC
9/18	6:30 AM	N	N	Y	Y	N	N	N	RC
9/18	6:30 PM	N	N	Y	Y	N	N	N	RC

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
9/18	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.
9/19	6:45 AM	N	N	Y	Y	N	N	N	C.L.
	6:20 PM	N	N	Y	Y	N	N	N	C.L.
9/19	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	12:00 PM	N	N	Y	Y	N	N	N	C.L.
9/20	6:30 AM	N	N	Y	Y	N	N	N	C.L.
	6:30 PM	N	N	Y	Y	N	N	N	C.L.
9/20	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	12:30 PM	N	N	Y	Y	N	N	N	C.L.
9/20	6:45 AM	N	N	Y	Y	N	N	N	C.L.
	6:25 PM	N	N	Y	Y	N	N	N	C.L.
9/21	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	C.L.

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
9/22	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	7:00 PM	N	N	Y	Y	N	N	N	
9/22	9:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
9/23	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	6:30 PM	N	N	N	Y	N	N	N	
9/23	9:00 AM	N	N	Y	Y	BLUE Heron	N	N	A.H.
	1:00 PM	N	N	N	Y	N	N	N	
9/24	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	6:30 PM	N	N	Y	Y	N	N	N	
9/24	5:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
9/25	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	6:30 PM	N	N	Y	Y	N	N	N	

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (If Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
9/25	9:00 AM	N	N	Y	Y	N	N	N	AA
	1:00 PM	N	N	Y	Y	N	N	N	
9/26	1:00 AM	N	N	Y	Y	N	N	N	C.L.
	7:00 PM	N	N	Y	Y	N	N	N	
9/26	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
9/27	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	6:00 PM	N	N	Y	Y	N	N	N	
9/27	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
9/28	7:00 AM	N	N	Y	Y	N	N	N	C.L.
	6:00 PM	N	N	Y	Y	N	N	N	
9/28	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
9/29	7:00 AM	N	N	Y	Y	N	N	N	CL
	6:30 PM	N	N	Y	Y	N	N	N	
9/29	9:00 AM	N	N	Y	Y	N	N	N	C.L.
	1:00 PM	N	N	Y	Y	N	N	N	
9/30	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	1:00 PM	N	N	Y	Y	N	N	N	
9/30	7:00 AM	N	N	Y	Y	N	N	N	A.H.
	6:30 PM	N	N	Y	Y	N	N	N	
	AM								
	PM								
	AM								
	PM								
	AM								
	PM								

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 9/1	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
9/1	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
9/2	6:30 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
9/2	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
9/3	7:00 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC
9/3	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
9/4	6:30 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 9/4	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
9/5	6:30 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
9/5	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
9/6	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
9/6	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
9/7	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
9/7	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
9/8	7:00 AM	N	N	N	N	Y	NA	JP
	7:00 PM	N	N	N	N	Y	NA	JP
9/8	9:00 AM	N	N	N	N	Y	NA	JP
	1:00 PM	N	N	N	N	Y	NA	JP
9/9	7:00 AM	N	N	N	N	Y	NA	JP
	7:00 PM	N	N	N	N	Y	NA	JP
9/9	9:00 AM	N	N	N	N	Y	NA	JP
	1:00 PM	N	N	N	N	Y	NA	JP
9/10	6:30 AM	N	N	N	N	Y	NA	JP
	8:30 PM	N	N	N	N	Y	NA	JP
9/10	9:00 AM	N	N	N	N	Y	NA	JP
	1:00 PM	N	N	N	N	Y	NA	JP
9/11	6:30 AM	N	N	N	N	Y	NA	JP
	8:30 PM	N	N	N	N	Y	NA	JP

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Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 9/11	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
9/12	6:30 AM	N	N	N	N	Y	NA	[Signature]
	8:30 PM	N	N	N	N	Y	NA	
9/12	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
9/13	6:30 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
9/13	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
9/14	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
9/14	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 9/15	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
9/15	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
9/16	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
9/16	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
9/17	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
9/17	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
9/18	6:30 AM	N	N	N	N	Y	NA	[Signature]
	6:30 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
9/18/12	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
9/19	6:45 AM	N	N	N	N	Y	NA	CL
	6:20 PM	N	N	N	N	Y	NA	C.L.
9/19	9:00 AM	N	N	N	N	Y	NA	C.L.
	2:00 PM	N	N	N	N	Y	NA	C.L.
9/20	6:30 AM	N	N	N	N	Y	NA	CL
	6:30 PM	N	N	N	N	Y	NA	C.L.
9/20	9:00 AM	N	N	N	N	Y	NA	C.L.
	12:30 PM	N	N	N	N	Y	NA	C.L.
9/21	6:45 AM	N	N	N	N	Y	NA	CL
	6:45 PM	N	N	N	N	Y	NA	C.L.
9/21	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
9/22	7:00 AM	N	N	N	N	Y	NA	RE
	6:30 PM	N	N	N	N	Y	NA	A.H.
9/22	9:00 AM	N	N	N	N	Y	NA	A.H.
	1:00 PM	N	N	N	N	Y	NA	A.H.
9/23	7:00 AM	N	N	N	N	Y	NA	RE
	6:30 PM	N	N	N	N	Y	NA	A.H.
9/23	9:00 AM	N	N	N	N	Y	NA	A.H.
	1:00 PM	N	N	N	N	Y	NA	A.H.
9/24	7:00 AM	N	N	N	N	Y	NA	RE
	6:30 PM	N	N	N	N	Y	NA	A.H.
9/24	9:00 AM	N	N	N	N	Y	NA	A.H.
	1:00 PM	N	N	N	N	Y	NA	A.H.
9/25	7:00 AM	N	N	N	N	Y	NA	RE
	6:30 PM	N	N	N	N	Y	NA	A.H.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
9/25	9:00 AM	N	N	N	N	Y	N/A	A.H.
	1:00 PM	N	N	N	N	Y	N/A	A.H.
9/26	7:00 AM	N	N	N	N	Y	NA	CL
	7:00 PM	N	N	N	N	Y	NA	C.L.
9/26	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
9/27	7:00 AM	N	N	N	N	Y	NA	CL
	6:00 PM	N	N	N	N	Y	NA	C.L.
9/27	9:00 AM	N	N	N	N	Y	NA	C.L.
	1:00 PM	N	N	N	N	Y	NA	C.L.
9/28	7:00 AM	N	N	N	N	Y	NA	CL
	1:00 PM	N	N	N	N	Y	NA	C.L.
9/28	9:00 AM	N	N	N	N	Y	NA	C.L.
	6:30 PM	N	N	N	N	Y	NA	C.L.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
9/29	7:00 AM	N	N	N	N	Y	NA	HL
	1:00 PM	N	N	N	N	Y	NA	C.L.
9/29	9:00 AM	N	N	N	N	Y	NA	C.L.
	6:30 PM	N	N	N	N	Y	NA	C.L.
9/30	7:00 AM	N	N	N	N	Y	NA	PH
	1:00 PM	N	N	N	N	Y	NA	A.H.
9/30	9:00 AM	N	N	N	N	Y	NA	A.H.
	6:30 PM	N	N	N	N	Y	NA	AA
10/1	AM							
	PM							
10/1	AM							
	PM							
	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

September 14, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

**Subject: August 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant
(‘SRWWTP’)**

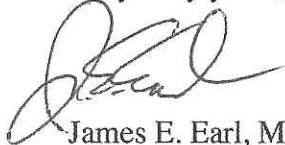
Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The August monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the August operators’ inspection logs. No wildlife was potentially exposed in the month of August.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,



James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
August 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Inspection Summary and Report Sheets	Appendix A
Oil Hauling Manifests	Appendix B

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period August 1 through August 31, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. No repetitive use of the treatment ponds and lagoons was observed in the August inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in August. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.

2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in August 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In August, there were observations of morning-dove, golden finch and blue herons overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

6,200 gallons of oil-water mixture was hauled off-site in the month of August 2012. Copies of the manifests for the loads are attached in Appendix B.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

August 1 to August 31, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
124	4	2	0	Near Secondary Lagoon	5	Flew away

*During dawn and dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	31 days	31 days	None	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012								
8/1	6:00 AM	N	N	N	N	0	N	ST
8/1	9:00 AM	N	N	N	N	0	N	ST
8/1	1:00 PM	N	N	N	N	0	N	ST
8/1	7:00 PM	N	N	N	N	0	N	ST
8/2	6:00 AM	N	N	N	N	0	N	ST
8/2	9:00 AM	N	N	N	N	0	N	ST
8/2	1:00 PM	N	N	N	N	0	N	ST
8/2	9:30 PM	N	N	N	N	0	N	ST
8/3	6:00 AM	N	N	N	N	0	N	ST
8/3	9:00 AM	N	N	N	N	0	N	ST
8/3	1:00 PM	N	N	N	N	0	N	ST
8/3	9:30 PM	N	N	N	N	0	N	ST
8/4	6:00 AM	N	N	N	N	0	N	ST
8/4	9:00 AM	N	N	N	N	0	N	ST
8/4	1:00 PM	N	N	N	N	0	N	ST
8/4	7:00 PM	N	N	N	N	0	N	ST
8/5	7:00 AM	N	N	N	N	0	N	ST
8/5	9:00 AM	N	N	N	N	0	N	ST

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012 8/5	1:00 PM	N	N	N	N	0	N	RC
8/5	7:00 PM	N	N	N	N	0	N	RC
8/6	7:00 AM	N	N	N	N	0	N	RC
8/6	9:00 AM	N	N	N	N	0	N	RC
8/6	1:00 PM	N	N	N	N	0	N	RC
8/6	7:00 PM	N	N	N	N	0	N	RC
8/7	7:00 AM	N	N	N	N	0	N	RC
8/7	9:00 AM	N	N	N	N	0	N	RC
8/7	1:00 PM	N	N	N	N	0	N	RC
8/7	7:00 PM	N	N	N	N	0	N	RC
8/8	7:00 AM	N	N	N	N	0	N	RC
8/8	9:00 AM	N	N	N	N	0	N	RC
8/8	1:00 PM	N	N	N	N	0	N	RC
8/8	7:00 PM	N	N	N	N	0	N	RC
8/9	6:00 AM	N	N	N	N	0	N	RC
8/9	9:00 AM	N	N	N	N	0	N	RC
8/9	1:00 PM	N	N	N	N	0	N	RC
8/9	9:30 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date 2017	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
8/10	6:00 AM	N	N	N	N	0	N	st
8/10	9:00 AM	N	N	N	N	0	N	RC
8/10	1:00 PM	N	N	N	N	0	N	RC
8/10	9:00 PM	N	N	N	N	0	N	st
8/11	6:00 AM	N	N	N	N	0	N	st
8/11	9:00 AM	N	N	N	N	0	N	RC
8/11	1:00 PM	N	N	N	N	0	N	RC
8/11	9:00 PM	N	N	N	N	0	N	st
8/12	6:00 AM	N	N	N	N	0	N	st
8/12	9:00 AM	N	N	N	N	0	N	RC
8/12	1:00 PM	N	N	N	N	0	N	RC
8/12	9:00 PM	N	N	N	N	0	N	RC
8/13	7:00 AM	N	N	N	N	0	N	RC
8/13	9:00 AM	N	N	N	N	0	N	RC
8/13	1:00 PM	N	N	N	N	0	N	RC
8/13	7:00 PM	N	N	N	N	0	N	RC
8/14	7:00 AM	N	N	N	N	0	N	RC
8/14	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

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2012								
8/14	1:00 PM	N	N	N	N	0	N	RC
8/14	7:00 PM	N	N	N	N	0	N	RC
8/15	7:00 AM	N	N	N	N	0	N	RC
8/15	9:00 AM	MORNING Dove	N	N	AS	0	flaw away	RC
8/15	1:00 PM	Goldfinch (Male)	N	N	S	0	flaw away	RC
8/15	7:00 PM	N	N	N	N	0	N	RC
8/16	7:00 AM	N	N	N	N	0	N	RC
8/16	9:00 AM	N	N	N	N	0	N	RC
8/16	1:00 PM	N	N	N	N	0	N	RC
8/16	7:00 PM	N	N	N	N	0	N	RC
8/17	6:00 AM	N	N	N	N	0	N	RC
8/17	9:00 AM	N	N	N	N	0	N	RC
8/17	1:00 PM	N	N	N	N	0	N	RC
8/17	4:00 PM	N	N	N	N	0	N	RC
8/18	6:00 AM	N	N	N	N	0	N	RC
8/18	9:00 AM	N	N	N	N	0	N	RC
8/18	1:00 PM	N	N	N	N	0	N	RC
8/18	4:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

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2012 8/19	6:00 AM	N	N	N	N	0	N	ST
8/19	9:00 AM	N	N	N	N	0	N	RC
8/19	1:00 PM	N	N	N	N	0	N	RC
8/19	9:00 PM	N	N	N	N	0	N	ST
8/20	6:00 AM	N	N	N	N	0	N	ST
8/20	9:00 AM	N	N	N	N	0	N	RC
8/20	1:00 PM	N	N	N	N	0	N	RC
8/20	8:00 PM	N	N	N	N	0	N	RC
8/21	7:00 AM	N	N	N	N	0	N	RC
8/21	9:00 AM	N	N	N	N	0	N	RC
8/21	1:00 PM	N	N	N	N	0	N	RC
8/21	7:00 PM	N	N	N	N	0	N	RC
8/22	7:00 AM	N	N	N	N	0	N	RC
8/22	9:00 AM	N	N	N	N	0	N	RC
8/22	1:00 PM	N	N	N	N	0	N	RC
8/22	7:00 PM	N	N	N	N	0	N	RC
8/23	7:00 AM	N	N	N	N	0	N	RC
8/23	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

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8/23	1:00 PM	N	N	N	N	0	N	RC
8/23	7:00 PM	N	N	N	N	0	N	RC
8/24	7:00 AM	N	N	N	N	0	N	RC
8/24	9:00 AM	N	N	N	N	0	N	RC
8/24	1:00 PM	N	N	N	N	0	N	RC
8/24	4:00 PM	N	N	N	N	0	N	RC
8/25	6:00 AM	N	N	N	N	0	N	RC
8/25	9:00 AM	N	N	N	N	0	N	RC
8/25	1:00 PM	N	N	N	N	0	N	RC
8/25	9:00 PM	N	N	N	N	0	N	RC
8/26	6:30 AM	HERON, BLUE	Y	N	S	3	Flew AWAY	RC
8/26	9:00 AM	N	N	N	N	0	N	RC
8/26	1:00 PM	N	N	N	N	0	N	RC
8/26	9:00 PM	HERON, BLUE	Y	N	S	2	Flew AWAY	RC
8/27	6:30 AM	N	N	N	N	0	N	RC
8/27	9:00 AM	N	N	N	N	0	N	RC
8/27	1:00 PM	N	N	N	N	0	N	RC
8/27	9:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
8/28	6:30 AM	N	N	N	N	0	N	RC
8/28	9:00 AM	N	N	N	N	0	N	RC
8/28	1:00 PM	N	N	N	N	0	N	RC
8/28	8:00 PM	N	N	N	N	0	N	RC
8/29	7:00 AM	N	N	N	N	0	N	RC
8/29	9:00 PM	N	N	N	N	0	N	RC
8/29	1:00 PM	N	N	N	N	0	N	RC
8/29	7:00 PM	N	N	N	N	0	N	RC
8/30	7:00 AM	N	N	N	N	0	N	RC
8/30	9:00 AM	N	N	N	N	0	N	RC
8/30	1:00 PM	N	N	N	N	0	N	RC
8/30	7:00 PM	N	N	N	N	0	N	RC
8/31	7:00 AM	N	N	N	N	0	N	RC
8/31	9:00 AM	N	N	N	N	0	N	RC
8/31	1:00 PM	N	N	N	N	0	N	RC
8/31	7:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\srwwtp oil management insp. log sheet
activity log

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
8/2	6:00 AM	N	N	N	N	Y	NA	JS
8/2	7:00 PM	N	N	N	N	Y	NA	JS
8/2	9:00 AM	N	N	N	N	Y	NA	JS
8/2	1:00 PM	N	N	N	N	Y	NA	JS
8/2	6:00 AM	N	N	N	N	Y	NA	JS
8/2	9:30 PM	N	N	N	N	Y	NA	JS
8/2	9:00 AM	N	N	N	N	Y	NA	JS
8/2	1:00 PM	N	N	N	N	Y	NA	JS
8/3	6:00 AM	N	N	N	N	Y	NA	JS
8/3	9:30 PM	N	N	N	N	Y	NA	JS
8/3	9:00 AM	N	N	N	N	Y	NA	JS
8/3	1:00 PM	N	N	N	N	Y	NA	JS
8/4	6:00 AM	N	N	N	N	Y	NA	JS
8/4	7:00 PM	N	N	N	N	Y	NA	JS

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 8/4	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
8/5	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
8/5	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
8/6	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
8/6	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
8/7	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
8/7	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 8/8	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
8/8	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/9	6:00 AM	N	N	N	N	Y	NA	RC
	9:30 PM	N	N	N	N	Y	NA	RC
8/9	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/10	6:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
8/10	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/11	6:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
8/11	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/12	6:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
8/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/13	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
8/13	9:00 AM	N	N	N	N	Y	N/A	RC
	1:00 PM	N	N	N	N	Y	N/A	RC
8/14	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
8/14	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil) ²	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
8/15	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	
8/15	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
8/16	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	
8/16	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
8/17	6:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	
8/17	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
8/18	6:00 AM	N	N	N	N	Y	NA	RC
	4:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
8/18	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/18	6:00 AM	N	N	N	N	Y	NA	DT
	9:00 PM	N	N	N	N	Y	NA	DT
8/19	9:00 AM	N	N	N	N	Y	NA	RC
	4:00 PM	N	N	N	N	Y	NA	RC
8/20	6:00 AM	N	N	N	N	Y	NA	DT
	8:00 PM	N	N	N	N	Y	NA	RC
8/20	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/21	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
8/21	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
8/22	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
8/22	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/23	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
8/23	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/24	7:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
8/24	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/25	6:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
8/25	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/26	6:30 AM	N	N	N	N	Y	NA	HT
	9:00 PM	N	N	N	N	Y	NA	HT
8/26	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/27	6:30 AM	N	N	N	N	Y	NA	HT
	9:00 PM	N	N	N	N	Y	NA	HT
8/27	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
8/28	6:30 AM	N	N	N	N	Y	NA	HT
	8:00 PM	N	N	N	N	Y	NA	RC
8/28	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 8/29	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
8/29	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
8/30	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
8/30	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
8/31	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
8/31	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetseh" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
8/2	6:00 AM	N	N	Y	Y	N			
8/2	7:00 PM	N	N	Y	Y	N	N	N	ST
8/1	9:00 AM	N	N	Y	Y	N	N	N	ST
8/1	1:00 PM	N	N	Y	Y	N	N	N	ST
8/2	6:00 AM	N	N	Y	Y	N	N	N	ST
8/2	9:30 PM	N	N	Y	Y	N	N	N	ST
8/2	9:00 AM	N	N	Y	Y	N	N	N	ST
8/2	1:00 PM	N	N	Y	Y	N	N	N	ST
8/3	6:00 AM	N	N	Y	Y	N	N	N	ST
8/3	9:30 PM	N	N	Y	Y	N	N	N	ST
8/3	9:00 AM	N	N	Y	Y	N	N	N	ST
8/3	1:00 PM	N	N	Y	Y	N	N	N	ST
8/4	6:00 AM	N	N	Y	Y	N	N	N	ST
8/4	7:00 PM	N	N	Y	Y	N	N	N	ST

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 8/4	9:00 AM	N	N	Y	Y	N	N	N	SC
	1:00 PM	N	N	X	Y	N	N	N	
8/5	7:00 AM	N	N	Y	Y	N	N	N	SC
	7:00 PM	N	N	Y	Y	N	N	N	
8/5	9:00 AM	N	N	Y	Y	N	N	N	SC
	1:00 PM	N	N	Y	Y	N	N	N	
8/6	7:00 AM	N	N	Y	Y	N	N	N	SC
	7:00 PM	N	N	Y	Y	N	N	N	
8/6	9:00 AM	N	N	Y	Y	N	N	N	SC
	1:00 PM	N	N	Y	Y	N	N	N	
8/7	7:00 AM	N	N	Y	Y	N	N	N	SC
	7:00 PM	N	N	Y	Y	N	N	N	
8/7	9:00 AM	N	N	Y	Y	N	N	N	SC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ¹)	Location	Inspector (Initials)
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
8/8	7:00 AM	N	N	Y	Y	N		N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
8/8	9:00 AM	N	N	Y	Y	N		N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/9	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:30 PM	N	N	Y	Y	N	N	N	RC
8/9	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/10	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	RC
8/10	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/11	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²						
2012									
8/11	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
8/12	6:00AM	N	N	Y	Y	N	N	N	RC
	9:00PM	N	N	Y	Y	N	N	N	RC
8/12	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
8/13	7:00AM	N	N	Y	Y	N	N	N	RC
	7:00PM	N	N	Y	Y	N	N	N	RC
8/13	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
8/14	7:00AM	N	N	Y	Y	N	N	N	RC
	7:00PM	N	N	Y	Y	N	N	N	RC
8/14	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

q:\excel\srwwtp oil management insp log sheet

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
8/15	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
8/15	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/16	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
8/16	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/17	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	RC
8/17	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/18	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	RC

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² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Breach/Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012									
8/18	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
8/19	6:00AM	N	N	Y	Y	N	N	N	RC
	9:00PM	N	N	Y	Y	N	N	N	RC
8/20	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
8/21	6:00AM	N	N	Y	Y	N	N	N	RC
	8:00PM	N	N	Y	Y	N	N	N	RC
8/22	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
8/23	7:00AM	N	N	Y	Y	N	N	N	RC
	7:00PM	N	N	Y	Y	N	N	N	RC
8/24	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC

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FORM SRWWTP 1.02

DATE: 2/26/2001

q:\excel\rouse\srwwtp oil management insp log sheet

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
8/22	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	X	N	N	N	
8/22	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
8/23	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
8/23	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
8/24	7:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	
8/24	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
8/25	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	

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FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
8/25	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/26	6:30 AM	N	N	Y	Y	HERON - BLUE	N	N	RC
	4:00 PM	N	N	Y	Y	HERON - BLUE	N	N	RC
8/26	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/27	6:30 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	RC
8/27	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
8/28	6:30 AM	N	N	Y	Y	N	N	N	RC
	8:00 PM	N	N	Y	Y	N	N	N	RC
8/28	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2018									
8/29	7:00 AM	N	N	Y	Y				
	1:00 PM	N	N	Y	Y	N	N	N	
8/29	9:00 AM	N	N	N	Y	N	N	N	
	1:00 PM	N	N	N	Y	N	N	N	
8/30	7:00 AM	N	N	Y	Y				
	7:00 PM	N	N	Y	Y	N	N	N	
8/30	9:00 AM	N	N	Y	Y	N	N	N	
	1:00 PM	N	N	Y	Y	N	N	N	
8/31	7:00 AM	N	N	Y	Y				
	7:00 PM	N	N	Y	Y	N	N	N	
8/31	9:00 AM	N	N	Y	Y	N	N	N	
	1:00 PM	N	N	Y	Y	N	N	N	
	AM								
	PM								

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

q:\excel-rouge-Srwwtp oil management insp log sheet

APPENDIX B

Oil Hauling Manifests

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number M I D O S 7 7 3 9 4 2 1	2. Page 1 of 1	3. Emergency Response Phone (734) 938-2600	4. Manifest Tracking Number 001767049 GBF	
5. Generator's Name and Mailing Address SEVERSTAL NORTH AMERICA 3001 MILLER ROAD DEARBORN, MI 48121		Generator's Site Address (if different than mailing address) 313 394-7375				
Generator's Phone:						
6. Transporter 1 Company Name THE HOBBS ENVIRONMENTAL SERVICES		U.S. EPA ID Number M I D O S 7 7 3 9 4 2 1				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address ENVIRO-SOLIDITY LLC 6011 WYOMING AVE DEARBORN, MI 48126		U.S. EPA ID Number M I D O S 4 1 3 1 4 7 1				
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.	WASTE WATER TREATMENT PLANT OIL & WATER	F T		3000	G	021L
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Approval # 7351 Used OIL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Sylvia Cooley		Signature Sylvia Cooley		Month Day Year 8 6 12		
16. International Shipments <input type="checkbox"/> Import to U.S. Transporter signature (for exports only):		<input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:		
17. Transporter Acknowledgment of Receipt of Materials		Transporter 1 Printed/Typed Name Tony F. Taylor		Signature Tony F. Taylor		
Transporter 2 Printed/Typed Name		Signature		Month Day Year 8 6 12		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator)		Manifest Reference Number: U.S. EPA ID Number				
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)		Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name		Signature		Month Day Year		

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MID097736431	2. Page 1 of 1	3. Emergency Response Phone 734-595-0900	4. Manifest Tracking Number 001604693 GBF			
5. Generator's Name and Mailing Address Severstal North America 3001 Miller Road Dearborn, MI 48121 USA Generator's Phone: 313-594-7375		Generator's Site Address (if different than mailing address)						
6. Transporter 1 Company Name THES HOPSIE ENVIRONMENTAL SVS LLC		U.S. EPA ID Number MID000025463						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address ENVROSOLIDS, LLC 6011 WYOMING AVENUE DEARBORN, MI 48126 USA Facility's Phone: 313-592-0032		U.S. EPA ID Number MID054121471						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
			No.	Type				
	1. WWT-Used Oil from Water Treatment		001	TT	3200	5	031L	
	2.							
	3.							
4.								
14. Special Handling Instructions and Additional Information 9b - 1) Approval #7351 4500 OIL								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Sylvia Corley		Signature Sylvia Corley		Month 8		Day 6	Year 12	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name Bry E. Tackett		Signature Bry E. Tackett		Month 8		Day 6	Year 12	
Transporter 2 Printed/Typed Name		Signature		Month		Day	Year	
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
18b. Alternate Facility (or Generator)		U.S. EPA ID Number						
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)						Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name		Signature		Month		Day	Year	



~~MID 087738431~~ *oms*
MID 087 738431

August 15, 2011-12

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: July ²⁰¹² ~~2011~~ Monthly Progress Report at Schaefer Road Waste Water Treatment Plant
(“SRWWTP”)


Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The July monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the July operators' inspection logs. No wildlife was potentially exposed in the month of July.

Please contact me at (313) 845-3217 or Lan Trinh at 313-323-1260, if you have questions on the information in this report.

Very truly yours,


James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDEQ
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
July 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Inspection Summary and Report Sheets	Appendix A

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period July 1 through July 31, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. No repetitive use of the treatment ponds and lagoons was observed in the July inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in July. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.

2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in July 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In July, there were observations of killdeers, morning-doves, and robins overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of July 2012.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

July 1 to July 31, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
124	23	1	0	Near Berm area	31	Flew away. Some birds flew away and then come back or flew to another area after horn blasts.

*During dawn and dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	31 days	31 days	Killdeers, Morning Doves, and Robins	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012								
7/1	7:00 AM	N	N	N	N	0	N	SC
7/1	9:00 AM	N	N	N	N	0	N	RC
7/1	1:00 PM	N	N	N	N	0	N	RC
7/1	8:00 PM	N	N	N	N	0	N	RC
7/2	7:00 AM	N	N	N	N	0	N	RC
7/2	9:00 AM	N	N	N	N	0	N	RC
7/2	1:00 PM	N	N	N	N	0	N	RC
7/2	7:00 PM	N	N	N	N	0	N	SC
7/3	7:00 AM	N	N	N	N	0	N	SC
7/3	9:00 AM	N	N	N	N	0	N	RC
7/3	1:00 PM	N	N	N	N	0	N	RC
7/3	8:00 PM	N	N	N	N	0	N	RC
7/4	7:00 AM	N	N	N	N	0	N	RC
7/4	9:00 AM	N	N	N	N	0	N	SC
7/4	1:00 PM	N	N	N	N	0	N	SC
7/4	7:00 PM	N	N	N	N	0	N	SC
7/5	7:00 AM	N	N	N	N	0	N	RC
7/5	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
7/5	1:00 PM	N	N	N	N	0	N	RC
7/5	7:00 PM	N	N	N	N	0	N	RC
7/6	7:00 AM	N	N	N	N	0	N	RC
7/6	9:00 AM	N	N	N	N	0	N	RC
7/6	1:00 PM	N	N	N	N	0	N	RC
7/6	7:00 PM	N	N	N	N	0	N	RC
7/7	7:00 AM	N	N	N	N	0	N	RC
7/7	9:00 AM	N	N	N	N	0	N	RC
7/7	1:00 PM	N	N	N	N	0	N	RC
7/7	7:00 PM	N	N	N	N	0	N	RC
7/8	6:00 AM	N	N	N	N	0	N	RC
7/8	9:00 AM	N	N	N	N	0	N	RC
7/8	1:00 PM	N	N	N	N	0	N	RC
7/8	9:30 PM	KILLDEER	N	N	B	2	NO EFFECT	RC
7/9	6:00 AM	KILLDEER	N	N	B	2	NO EFFECT	RC
7/9	9:00 AM	N	N	N	N	0	N	RC
7/9	1:00 PM	KILLDEER	N	N	B	0	FLEW AWAY	RC
7/9	9:30 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
7/10	6:00 AM	MORNING Doves	Y	N	B	5	Flew Away	SH
7/10	9:00 AM	N	N	N	N	0	N	RC
7/10	1:00 PM	N	N	N	N	0	N	RC
7/10	9:30 PM	KILL DEER	N	N	B	2	NO EFFECT. FLEW AROUND	SH
7/11	6:00 AM	MORNING Doves	N	N	B	2	Flew Away	SH
7/11	9:00 AM	N	N	N	N	0	N	RC
7/11	1:00 PM	N	N	N	N	0	N	RC
7/11	8:00 PM	N	N	N	N	0	N	RC
7/12	7:00 AM	N	N	N	N	0	N	RC
7/12	9:00 AM	N	N	N	N	0	N	RC
7/12	1:00 PM	N	N	N	N	0	N	RC
7/12	7:00 PM	N	N	N	N	0	N	RC
7/13	7:00 AM	N	N	N	N	0	N	RC
7/13	9:00 AM	N	N	N	N	0	N	RC
7/13	1:00 PM	N	N	N	N	0	N	RC
7/13	7:00 PM	N	N	N	N	0	N	RC
7/14	7:00 AM	N	N	N	N	0	N	RC
7/14	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
7/14	1:00 PM	N	N	N	N	0	N	RC
7/14	7:00 PM	N	N	N	N	0	N	RC
7/15	7:00 AM	N	N	N	N	0	N	RC
7/15	9:00 AM	N	N	N	N	0	N	RC
7/15	1:00 PM	N	N	N	N	0	N	RC
7/15	7:00 PM	N	N	N	N	0	N	RC
7/16	6:00 AM	MOURNING DOVES	N	N	B	2	Flew Away	RC
7/16	9:00 AM	N	N	N	N	0	N	RC
7/16	1:00 PM	N	N	N	N	0	N	RC
7/16	9:30 PM	MOURNING DOVES	N	N	B	2	Flew Away	RC
7/17	6:00 AM	MOURNING DOVES	N	N	B	2	Flew Away	RC
7/17	9:00 AM	MOURNING DOVES	N	N	B	0	Flew Away	RC
7/17	1:00 PM	N	N	N	N	0	N	RC
7/17	9:30 PM	MOURNING DOVES / KILLDEER	N	N	B	2	Flew Away	RC
7/18	6:00 AM	MOURNING DOVES	N	N	B	2	Flew Away	RC
7/18	9:00 AM	N	N	N	N	0	N	RC
7/18	1:00 PM	N	N	N	N	0	N	RC
7/18	9:30 PM	MOURNING DOVES	N	N	B	2	Flew Away	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
7/19	6:00 AM	MOURNING DOVES	N	N	B	2	FLEW AWAY	RE
7/19	9:00 AM	N	N	N	N	0	N	RE
7/19	1:00 PM	MOURNING DOVES	N	N	B	0	FLEW AWAY	RE
7/19	8:00 PM	N	N	N	N	0	N	RE
7/20	7:00 AM	N	N	N	N	0	N	RE
7/20	9:00 AM	N	N	N	N	0	N	RE
7/20	1:00 PM	N	N	N	N	0	N	RE
7/20	8:00 PM	N	N	N	N	0	N	RE
7/21	7:00 AM	N	N	N	N	0	N	RE
7/21	9:00 AM	N	N	N	N	0	N	RE
7/21	1:00 PM	N	N	N	N	0	N	RE
7/21	8:00 PM	N	N	N	N	0	N	RE
7/22	7:00 AM	N	N	N	N	0	N	RE
7/22	9:00 AM	N	N	N	N	0	N	RE
7/22	7:00 PM	N	N	N	N	0	N	RE
7/22	8:00 PM	N	N	N	N	0	N	RE
7/23	7:00 AM	N	N	N	N	0	N	RE
7/23	9:00 AM	N	N	N	N	0	N	RE

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
7/23	1:00 PM	N	N	N	N	0	N	RC
7/23	4:30 PM	N	N	N	N	0	N	RC
7/24	6:00 AM	MOURNING DOVE	N	N	B	2	FLEW AWAY	RC
7/24	9:00 AM	Robins	N	N	B	0	FLEW AWAY	RC
7/24	1:00 PM	MOURNING DOVE	N	N	B	0	FLEW AWAY	RC
7/24	4:30 PM	MOURNING DOVES	N	N	B	0	FLEW AWAY	RC
7/25	6:00 AM	N	N	N	N	0	N	RC
7/25	9:00 AM	MOURNING DOVES	N	N	B	0	FLEW AWAY	RC
7/25	1:00 PM	N	N	N	N	0	N	RC
7/25	4:30 PM	N	N	N	N	0	N	RC
7/26	6:00 AM	MOURNING DOVES	N	N	B	2	FLEW AWAY	RC
7/26	9:00 AM	MOURNING DOVES	N	N	B	0	FLEW AWAY	RC
7/26	1:00 PM	N	N	N	N	0	N	RC
7/26	4:30 PM	N	N	N	N	0	N	RC
7/26	6:00 AM	N	N	N	N	0	N	RC
7/27	9:00 AM	Robins	N	N	B	0	FLEW AWAY	RC
7/27	1:00 PM	N	N	N	N	0	N	RC
7/27	7:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermied area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
7/28	7:00 AM	N	N	N	N	0	N	RC
7/28	9:00 AM	N	N	N	N	0	N	RC
7/28	1:00 PM	N	N	N	N	0	N	RC
7/28	8:00 PM	N	N	N	N	0	N	RC
7/29	7:00 AM	N	N	N	N	0	N	RC
7/29	9:00 AM	N	N	N	N	0	N	RC
7/29	1:00 PM	N	N	N	N	0	N	RC
7/29	7:00 PM	N	N	N	N	0	N	RC
7/30	7:00 AM	N	N	N	N	0	N	RC
7/30	9:00 AM	N	N	N	N	0	N	RC
7/30	1:00 PM	N	N	N	N	0	N	RC
7/30	7:00 PM	N	N	N	N	0	N	RC
7/31	7:00 AM	N	N	N	N	0	N	RC
7/31	9:00 AM	N	N	N	N	0	N	RC
7/31	1:00 PM	N	N	N	N	0	N	RC
7/31	7:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	Inspector (Initials)
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
7/1	7:00 AM	N	N	Y	Y	N	N	N	RC
	8:00 PM	N	N	Y	Y	N	N	N	RC
7/1	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/2	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
7/2	2:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/3	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
7/3	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/4	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 7/4	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
7/5	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	7:00 PM	N	N	Y	Y	N	N	N	
7/5	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
7/6	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	7:00 PM	N	N	Y	Y	N	N	N	
7/6	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
7/7	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	7:00 PM	N	N	Y	Y	N	N	N	
7/7	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
7/8	6:00 AM	N	N	Y	Y	N	N	N	ST
	9:30 PM	N	N	Y	Y	KILL DEER	N	N	ST
7/8	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/9	6:00 AM	N	N	Y	Y	KILL DEER	N	N	ST
	9:30 PM	N	N	Y	Y	N	N	N	ST
7/9	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	KILL DEER	N	N	RC
7/10	6:00 AM	N	N	Y	Y	MORNING DOVES	N	N	ST
	9:30 PM	N	N	Y	Y	KILL DEER	N	N	ST
7/10	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/11	6:00 AM	N	N	Y	Y	MORNING DOVES	N	N	ST
	8:00 PM	N	N	Y	Y	N	N	N	RC

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	Inspector (Initials)
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
7/11	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/12	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
7/12	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/13	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
7/13	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/14	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
7/14	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012 7/15	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	X	X	N	N	N	RC
7/15	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/16	6:00 AM	N	N	Y	Y	MORNING Doves	N	N	RC
	9:30 PM	N	N	Y	Y	MORNING Doves	N	N	RC
7/16	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/17	6:00 AM	N	N	Y	Y	MORNING Doves	N	N	RC
	9:30 PM	N	N	Y	Y	MORNING Doves/KILL DEERS	N	N	RC
7/17	9:00 AM	N	N	Y	Y	MORNING Doves	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/18	6:00 AM	N	N	Y	Y	MORNING Doves	N	N	RC
	9:30 PM	N	N	Y	Y	MORNING Doves	N	N	RC

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ¹)	Location	Inspector (Initials)
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
7/18	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
7/19	6:00AM	N	N	Y	Y	MOORING Doves	N	N	RC
	8:00PM	N	N	Y	Y	N	N	N	RC
7/19	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	MOORING Doves	N	N	RC
7/20	7:00AM	N	N	Y	Y	N	N	N	RC
	8:00PM	N	N	Y	Y	N	N	N	RC
7/20	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
7/21	7:00AM	N	N	Y	Y	N	N	N	RC
	8:00PM	N	N	Y	Y	N	N	N	RC
7/21	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
7/22	7:00 AM	N	N	Y	Y	N	N	N	RC
	8:00 PM	N	N	Y	Y	N	N	N	RC
7/22	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/23	7:00 AM	N	N	Y	Y	N	N	N	RC
	9:30 PM	N	N	Y	Y	N	N	N	RC
7/23	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
7/24	6:00 AM	N	N	Y	Y	MOURNING DOVES	N	N	RC
	9:30 PM	N	N	Y	Y	MOURNING DOVES	N	N	RC
7/24	9:00 AM	N	N	Y	Y	Robins	N	N	RC
	1:00 PM	N	N	Y	Y	MOURNING DOVES	N	N	RC
7/25	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:30 PM	N	N	Y	Y	N	N	N	RC

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
7/25	9:00AM	N	N	Y	Y	MOURNING DOVES	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
7/26	9:00AM	N	N	Y	Y	MOURNING DOVES	N	N	RC
	4:00PM	N	N	Y	Y	N	N	N	RC
7/26	9:00AM	N	N	Y	Y	MOURNING DOVES	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
7/27	9:00AM	N	N	Y	Y	N	N	N	RC
	8:00PM	N	N	Y	Y	N	N	N	RC
7/27	9:00AM	N	N	Y	Y	Robins	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC
7/28	7:00AM	N	N	Y	Y	N	N	N	RC
	8:00PM	N	N	Y	Y	N	N	N	RC
7/28	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012 7/29	7:00 AM	N	N	Y	Y	N	N	N	RE
	7:00 PM	N	N	Y	Y	N	N	N	
7/29	9:00 AM	N	N	Y	Y	N	N	N	RE
	1:00 PM	N	N	Y	Y	N	N	N	
7/30	7:00 AM	N	N	Y	Y	N	N	N	RE
	7:00 PM	N	N	Y	Y	N	N	N	
7/30	9:00 AM	N	N	X	Y	N	N	N	RE
	1:00 PM	N	N	X	Y	N	N	N	
7/31	7:00 AM	N	N	Y	Y	N	N	N	RE
	7:00 PM	N	N	Y	Y	N	N	N	
7/31	9:00 AM	N	N	Y	Y	N	N	N	RE
	1:00 PM	N	N	Y	Y	N	N	N	
	AM								
	PM								

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 7/1	7:00 AM	N	N	N	N	Y	NA	RC
	3:00 PM	N	N	N	N	Y	NA	RC
7/1	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/2	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
7/2	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/3	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
7/3	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/4	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
7/4	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
7/5	7:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
7/5	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
7/6	7:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
7/6	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
7/7	7:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
7/7	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
7/8	6:00 AM	N	N	N	N	Y	NA	JH
	9:30 PM	N	N	N	N	Y	NA	
7/8	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/9	6:00 AM	N	N	N	N	Y	NA	JH
	9:30 PM	N	N	N	N	Y	NA	
7/9	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/10	6:00 AM	N	N	N	N	Y	NA	JH
	9:30 PM	N	N	N	N	Y	NA	
7/10	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/11	6:00 AM	N	N	N	N	Y	NA	JH
	8:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 7/11	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/12	7:00 AM	N	N	N	N		NA	RC
	7:00 PM	N	N	N	N	Y Y	NA	RC
7/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/13	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
7/13	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/14	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
7/14	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
7/15	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
7/15	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/16	6:00 AM	N	N	N	N	Y	NA	RC
	9:30 PM	N	N	N	N	Y	NA	RC
7/16	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/17	6:00 AM	N	N	N	N	Y	NA	RC
	9:30 PM	N	N	N	N	Y	NA	RC
7/17	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/18	6:00 AM	N	N	N	N	Y	NA	RC
	9:30 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
7/18	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/19	6:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
7/19	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/20	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
7/20	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/21	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
7/21	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

q:\excel\rouge\Srwwtp oil management insp. log sheet

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
7/22	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
7/22	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/23	7:00 AM	N	N	N	N	Y	NA	RC
	9:30 PM	N	N	N	N	Y	NA	RC
7/23	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/24	6:00 AM	N	N	N	N	Y	NA	RC
	9:30 PM	N	N	N	N	Y	NA	RC
7/24	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/25	6:00 AM	N	N	N	N	Y	NA	RC
	9:30 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
7/25	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/26	6:00 AM	N	N	N	N	Y	NA	ST
	9:00 PM	N	N	N	N	Y	NA	ST
7/26	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/27	6:00 AM	N	N	N	N	Y	NA	ST
	8:00 PM	N	N	N	N	Y	NA	RC
7/27	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
7/28	7:00 AM	N	N	N	N	Y	NA	RC
	8:00 PM	N	N	N	N	Y	NA	RC
7/28	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	ST

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 7/29	7:00 AM	N	N	N	N	Y	NA NA	[Signature]
	7:00 PM	N	N	N	N	Y		
7/29	9:00 AM	N	N	N	N	Y	NA NA	[Signature]
	1:00 PM	N	N	N	N	Y		
7/30	7:00 AM	N	N	N	N	Y	NA NA	[Signature]
	7:00 PM	N	N	N	N	Y		
7/30	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y		
7/31	7:00 AM	N	N	N	N	Y	NA NA	[Signature]
	7:00 PM	N	N	N	N	Y		
7/31	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y		
	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).



MID 087738431

July 19, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: Report on carcasses found at Schaefer Road Waste Water Treatment Plant

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The enclosed July 11, 2012 reports by our wildlife consultant details the discovery and the basis for identification of an adult Meadow Vole, an adult Eastern Cottontail, a Mallard, and probably immature Eastern Cottontail.

If you are interested in further investigation of the carcasses, please let us know. We will store them until September 14, 2012, after which, space considerations dictate that the carcasses will be disposed.

Please contact me at (313) 323-1260 if you have questions on the information in these reports.

Very truly yours,

A handwritten signature in black ink, appearing to read "Lan Trinh", written over a horizontal line.

Lan Trinh
Environmental Engineering

Enclosure

cc: Mr. John Craig, MDEQ
US Fish & Wildlife

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 323-1260
F: (313) 337-9375
E: ltrinh@severstal.com
www.severstal.com

MEC ENVIRONMENTAL CONSULTING

VIA FEDERAL EXPRESS

July 11, 2012

Mr. James E. Earl
Severstal Dearborn LLC
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

Subject: Schaefer Road Wastewater Treatment Plant – Carcass Report (P. N. 00330)

Dear Jim:

Please find herein the report on the carcass which was found by myself on March 14, 2012 at approximately 14:19. This report was prepared in accordance with the procedures outlined in EPA's letters from Diane Sharrow to Don Windeler, dated December 14, 2001 and August 12, 2004. The carcass is an adult Meadow Vole (*Microtus pennsylvanicus*).

The carcass was found at the top of the southeast bank of the Secondary Lagoon approximately 3 feet north of the north side of the railing, which is north of the stairs to the belt skimmer. The carcass, which looked like a small dark lump, lay on its right side with the head generally pointed east and the posterior pointed west. A relatively long, hairy tail was observed to be curled under the rump. A flesh fly (*Sarcophaga* sp.) was observed on the carcass when discovered. The carcass, which appeared to be whole and entire and not decomposed, was approximately 3.5 inches in length. The entire surface of the body was a uniform dark black-brown color and glistened in the sunlight. Based on these observations, the carcass was suspected to be oiled. This fact was subsequently confirmed when the carcass was turned over and oil was observed on slag underneath the carcass, as well as by greasy and gray-black residue on a clean glove after inspection of the carcass.

Upon closer examination, the belly of the carcass appeared to be slightly bloated. The carcass was indeed entire, and no cuts, punctures, or wounds were found. The surface of the carcass was somewhat damp, but not wet, and no significant amount of soil or dirt was observed. (A minor amount of dirt was observed on the left side which had faced the ground.) No rigor mortis or odor of decay was present, and no maggots were found. The fur consisted of relatively long, relatively dense hairs. The fur was significantly matted against the skin, and fur on the head and tail appeared to be very unkempt and disheveled. A ridge of matted hair stood perpendicular to the top of the head giving the mammal a crested appearance. Relatively long, silvery or translucent whiskers, many with blackish oil, were noted protruding from the head, which appeared quite narrow in contrast to the rest of the body. The mammal's small forelegs were somewhat extended perpendicular to the body and crossed over its breast. The hind legs were also extended away from the body but were widely splayed. The ears were not visible, presumably buried in matted fur. The eyes were open, very small and black, and did not protrude from the face. The nose appeared to be dark. The mouth was slightly open revealing two dark yellow, slightly convex upper incisors, approximately 1-2 millimeters in length, and, slightly recessed, the bases of two pale lemon yellow lower incisors.

The mammal was initially identified as a neonate or baby Woodchuck based primarily on the black

coloration of the fur, overall size, and proximity to a burrow entrance. However, upon further investigation under laboratory conditions at MEC Environmental Consulting, it was discovered that the head was too small and narrow for Woodchuck, and that the feet were really not black or flat-bottomed like Woodchuck. Although largely stained black, the feet were actually pinkish-red in color with round digits and short, relatively straight talons unlike the strongly decurved talons of Woodchuck. Finally, it was found that Woodchucks typically do not birth young until mid-May at the earliest. Even with the preceding 2-week period of unseasonably warm, summer-like temperatures, it would be highly unlikely that a Woodchuck would give birth more than a month earlier than normal. The tail length was measured at 4.5 cm. (1.77 in.). In addition, the anterior surface of the upper incisors was examined with a magnifying glass, and found to be smooth and not grooved. These findings, together with the size of the mammal, support an identification of Meadow Vole (*Microtus pennsylvanicus*).

No tracks or other sign were observed near the carcass.

Photographs of the carcass were taken at the time of discovery. The carcass was retrieved by the wildlife consultant around 21:15 on March 14, 2012. The carcass was placed in a plastic bag, sealed, and then packed on ice inside a hard plastic cooler around 21:19. The bagged remains were then transferred by the wildlife consultant to MEC Environmental Consulting; and deposited in a non-self-defrosting freezer under the company's state Scientific Collector's Permit No. 1223 at 22:33.

The fact that rigor mortis was not present together with the fact that no odor of decay was noted suggests that the time of death of the Meadow Vole was several hours before discovery. Although it is possible that decomposition had already begun, as indicated by the slight swelling of the abdomen, and thus rigor mortis had already dissipated, it is likely that the carcass was not older than approximately 8 hours due to the fact that flesh fly was the only fly species observed and then only one individual. Flesh flies typically visit a carcass within the first two days of death (Tabor, K. L., *Succession and Development Studies on Carrion Insects of Forensic Importance*, Blacksburg, VA: Virginia Polytechnic University, doctoral dissertation, May 2004). This time of death is especially supported by the sunny conditions and unseasonably warm temperatures (mid 40's to low 60's F.) after sunrise on March 14 which would have been expected to accelerate decomposition. Finally, the carcass could not have been older than 1.5 days because it was not appreciably wet, in stark contrast to the other carcass found that day which was drenched due to rains which fell most of the day on March 12 until 03:00 on March 13. (Although it is true that the subject carcass was oiled and that oil could have repelled some of the rain, given the periods of heavy rains the two preceding days, it would have been reasonable to expect that some oil would have been washed off creating conspicuous fresh staining of the ground around the carcass. Such staining was not observed.) Thus, the Meadow Vole likely died sometime during the morning hours on March 14. The carcass was not predated or scavenged in any way, as indicated by the absence of any puncture wounds or missing body parts.

The oil of the mammal's fur and absence of any significant amount of soil indicates that the mammal was likely swimming in and/or foraging in vegetation at the water's edge of the Secondary Lagoon prior to its death. The mammal contacted some oil either on the water surface of the Secondary Lagoon or from the stems or roots of vegetation at the water's edge. Meadow Voles frequently are found near shorelines of rivers, ponds, and lakes, and are good swimmers (Burt, W. H., loc cit., p. 192). The orientation of the carcass essentially perpendicular to the southeast bank with head facing east, the position of the mammal on its side, and its location just over the crest of the bank suggest

that the Meadow Vole expired upon reaching the top of the bank. Once oiled, the mammal likely found it more difficult to forage and feed effectively. The energetic requirements of Meadow Vole are quite high as evidenced in the fact that the mammal consumes its weight in foodstuffs, generally roots and stems of vegetation, within a 24 hour period. In addition, the oiled condition of its fur and skin likely prevented adequate thermoregulation. Both of these factors likely resulted in death by hypothermia. Meadow Voles often feed at night, and temperatures on March 14 dropped approximately 10-12 degrees F. from midnight to 7:00 am. Meadow Voles generally dislike and avoid bare areas of ground devoid of vegetation, yet the carcass was found in such an area lending further credence to the hypothesis that death was caused by hypothermia. No necropsy of the carcass was performed.


Meadow Voles are very prolific, breeding throughout the year (Burt, W.H., *Mammals of the Great Lakes Region*, Ann Arbor, MI: University of Michigan Press, 1957, p. 126). Indeed, the species is believed to have the highest reproductive rate of any mammal in the world (Meadow Vole and Woodland Vole, Connecticut Wildlife, February 2011, <http://wildlifeofct.com/meadow%20vole%20and%20woodland%20vole.html>). Breeding territories of Meadow Voles are typically 0.1 to 1.0 acres. Because of these facts and their dietary preference for vegetation, Meadow Voles are often considered a pest species in some residential gardens and many agricultural areas, particularly orchards where the mammals often girdle trees. The typical life-span of an adult Meadow Vole in the wild is 1-3 years (Burt, W.H., and R. P. Grossenheider, *A Field Guide to the Mammals*, Boston, MA: Houghton Mifflin Co., 1964, p. 192). However, because Meadow Voles are so frequently preyed upon by hawks, owls, crows, herons, weasels, skunks, and snakes, many individuals do not survive a single calendar year (Golder Associates Ltd, *Draft Terrestrial Environmental Technical Support Document for the Deep Geologic Repository for Ontario Power Generation's Low and Intermediate Waste Level*, April 201, p. 128).

A Meadow Vole carcass was discovered at the SRWWTP on March 21, 2005 on the mid-slope of the southeast bank of the Primary Lagoon which appeared to have died of natural causes. In addition a partial, probable Meadow Vole carcass was discovered at the SRWWTP on June 9, 2009 at the top of the southwest bank of the Secondary Lagoon near the base of the utility pole. The latter mammal was likely killed by the facility's lawnmower. Neither carcass was oiled. Evidence or sign of Meadow Voles, viz., narrow tunnels or runways on the surface of the ground, have been observed regularly in the spring at the SRWWTP for years. The species presumably has bred at the SRWWTP since at least 2000 when wildlife surveys were first initiated. However, it should be emphasized that no Meadow Vole has ever been observed in, on, or immediately adjacent to any of the SRWWTP treatment ponds and lagoons during wildlife surveys conducted at the facility.

If you have any questions regarding this report, please call me at (248) 585-3800. Thank you again for selecting MEC Environmental Consulting for your wildlife management consulting needs.

Sincerely yours,

MEC ENVIRONMENTAL CONSULTING



Michael Carlson
Principal
enclosures (photographs)



SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
March 14, 2012 - afternoon (film)

12: NNN

#1: Ground at top of southeast bank of Secondary Lagoon, approximately 30 feet north of belt skimmer tank. Note Meadow Vole carcass, as found (left side up), matted & shiny fur. Note Flesh Fly at lower left of carcass.

SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
March 14, 2012 - afternoon (film)

12: NNN

#2: Ground at top of southeast bank of Secondary Lagoon, approximately 30 feet north of belt skimmer tank. Note Meadow Vole carcass turned over (right side up), oiled and matted fur.

SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
March 14, 2012 - afternoon (digital)

#3: Closeup of dorsal posterior end of Meadow Vole carcass. Note relatively long, matted hairy tail, pinkish red feet, rounded toes with only slightly decurved talons, and heavily oiled and matted fur

MEC ENVIRONMENTAL CONSULTING

VIA FEDERAL EXPRESS

July 11, 2012

Mr. James E. Earl
Severstal Dearborn, LLC.
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

**Subject: Schaefer Road Wastewater Treatment Plant –Carcass Report
(P. N. 00330)**

Dear Jim:

Please find herein the report on the second carcass which was found by myself on March 14, 2012. This report was prepared in accordance with the procedures outlined in EPA's letters from Diane Sharrow to Don Windeler, dated December 14, 2001 and August 12, 2004. The carcass is an adult Eastern Cottontail (*Sylvilagus floridanus*).

The carcass was found at 13:36 tangled in excess netting at the top of the east central bank of the East Sludge Pond approximately 2 feet east of the north end of the concrete and steel bumper at the former loading area. The carcass generally lay on its right side with the anterior end generally pointed east and the posterior end pointed west. The ventral side of the carcass faced north, and the dorsal side faced south. The carcass appeared to be whole and entire. The fur, which was extremely wet, matted and unkempt, especially at the neck, appeared to be flecked with gray-brown and chestnut but overall quite pale. At least one adult Greenbottle Fly (*Lucilia sericata*), but no maggots, was observed on the carcass, and only a very slight odor of decay was noted. Multiple strands of netting were wrapped around both hind feet, the left front foot and leg as well as the neck. The head and right foreleg was mostly obscured by several layers of excess netting. Netting around the hind feet appeared to be slightly taut. The carcass did not appear to be oiled. No staining was noted on the left side.

Photographs were taken of the carcass as found. The carcass was approximately 12.6 inches in length, including the head and neck. A partially desiccated, but open, rather large dark left eye and two relatively long, erect, rabbit-like ears were noted through the netting. The carcass did not appear to be bloated in anyway. The forequarters appeared to be arched slightly, with the head and hindquarters drooped, such that the nose and white tail tip were both tangent to the same plane approximately one inch below (north of) and parallel to the belly. The rump appeared to be flat and against a rather taut section of netting. All four legs appeared to dangle from the mammal's underside, especially the mammal's long hind legs. Only the left hind leg appeared to be slightly flexed: the foot being at approximately 100 degrees to the leg, and the stifle (knee) slightly bent at the lowest edge of the belly. The muzzle and tail tip both pointed northeast. The fur at the nape immediately posterior of the ears was chestnut in color.

Due to time constraints imposed by the protocol of the wildlife survey and the fact that the carcass significantly entwined in the netting, the wildlife consultant informed the SRWWTP operator on-

duty that he would return the following morning to extricate and recover the carcass.

The wildlife consultant returned to the SRWWTP around 11:30 on March 15 to recover the carcass, and learned from the operator on duty that the Severstal grounds crew had started to remove the carcass but had left on an errand. The wildlife consultant found that the hind legs and feet had been removed from the netting. Five to six Greenbottle fly adults were observed on and around the carcass, although no eggs were noted. (While these could have been missed in the field, digital photographs of the carcass, specifically the eyes and mouth- typical sites for fly eggs, were magnified 10-12 times and reviewed at MEC. No eggs were noted.) Three strands of netting were wrapped around the right forefoot, which was cinched against the right side of the head. The skin at the top of the right forefoot appeared to be broken and raw. At least one strand of netting was completely around the neck of the mammal. The entire right side of the head and muzzle were very darkly stained. Upon closer examination, this staining was dried blood. The strand of netting around the neck of the mammal was found to lay in a cut approximately 1-3 mm deep on the right side of the lower neck near the throat. The wildlife consultant completed the removal of the carcass from the netting by cutting the excess netting in at least two places.

The carcass showed no sign of rigor mortis or oil. With exception of blood staining and slight soiling on, the fur of the right side of the mammal appeared clean. Fur on the right hindquarters appeared quite rumpled. The right eye was open and whole; however, the area around the eye appeared to be reddish-purple. No photographs were taken of the carcass recovery operation, which was completed at noon on March 15, 2012. The carcass was bagged and placed on ice inside a hard plastic cooler at 12:04. The bagged remains were then subsequently transferred by the wildlife consultant to MEC Environmental Consulting. Both sides of the carcass were photographed, and then the carcass was placed in a black garbage bag and deposited in a non-self-defrosting freezer at 13:30 under the company's Scientific Collector's Permit No. 1223 issued by the Michigan Department of Natural Resources. No necropsy was performed.

Based on the presence of relatively long ears and long hind legs, the chestnut patch on the nape, and the very short white tail, the carcass was identified as an Eastern Cottontail (*Sylvilagus floridanus*). Based on the relatively large size of the carcass, the rabbit was likely an adult.

The mammal became caught in netting possibly early in the morning or the night of March 12. Eastern Cottontails are nocturnal, and they are most active when visibility is limited, e.g., on rainy or foggy nights (Godin, Alfred J., *Wild Mammals of New England*, Baltimore, MD: John Hopkins University Press, 1977). Skies were clear and the moon was mostly full on the nights of March 9 through 11; thus, it is assumed that rabbit activity was minimal over this period. Moreover, because of the fact that the carcass was soaking wet and matted when found, the carcass was likely subjected to considerable rain. (The matting of fur due to moisture caused the paler subsurface fur to be more apparent, giving the mammal the blanched appearance when found.) Rain fell throughout the morning (07:53-11:53) and night (22:42-23:53) of March 12, and the early morning hours (00:00-02:53) of March 13. The fact that the blood on the right side of the head of the mammal was dry suggests that the mammal died either before or early in the period of rains, specifically early in the morning of March 12 or the evening of March 12. This observation seems to corroborate entanglement during the pre-dawn hours of March 12, with death occurring hours later that morning.

The mammal likely became entangled in excess netting which had either not been zip or cable-tied or had come loose from the cable tie. In attempting to free itself, the rabbit became more entangled. Given the degree of entanglement observed, the rumpled right hindquarters, bruising around the right

eye, scraped right forefoot, and cuts in the right side of the throat from the netting, the mammal struggled considerably trying to free itself. Indeed, it struggled to the point of its death. Based on the drooped appearance of the head and tail and dangling forelegs and hind legs, the mammal likely died from a combination of blood loss from the cuts in the throat and trauma. While possible as a contributing factor to death, hypothermia seems to be ruled out on the basis of the mammal's open eyes.

A presumed adult Eastern Cottontail carcass was found entangled in loose excess netting on the top of the south bank of the East Sludge Pond on April 21, 2011. Given two similar deaths within less than a year, the wildlife consultant recommended to the SRWWTP lead operator on March 15 that additional lengths of excess netting around the East Sludge Pond be tightly rolled and zip cable tied to minimize potential entanglement by Eastern Cottontails, and that these rolls of excess netting and cable ties around them be regularly checked and maintained.


In addition to the subject and aforementioned carcasses, four other Eastern Cottontail carcasses or remains have previously been found at the SRWWTP. On April 21, 2011 a fresh carcass of a neonate was found near a nest at the south end of the plain west of the Primary Lagoon. A fresh carcass of a young Eastern Cottontail was found on the east bank of the Secondary Lagoon on September 3, 2009. On May 23, 2008 the partial skull with back molars of a possible Eastern Cottontail was found at the top of the north bank of the Diked Lagoon, approximately 70 feet east of northwest corner. Partial viscera and several hair clumps of a possible Eastern Cottontail were found south of the top of the south bank of the West Sludge Pond. All four rabbits likely died of natural causes- the latter two being victims of predators. None of the five carcasses and/or remains previously found were oiled.

Eastern Cottontails have been regularly observed at the SRWWTP since 2000 when wildlife surveys were first initiated, and the species is known to breed at the facility. Four Eastern Cottontails were observed during the March 14, 2012 wildlife survey. In addition, sign of Eastern Cottontail in the form of scats and tracks have been found in many of the wildlife surveys, including the one conducted on March 14, 2012.

If you have any questions regarding this report, please call me at (248) 585-3800. Thank you again for selecting MEC Environmental Consulting for your wildlife management consulting needs.

Sincerely yours,

MEC ENVIRONMENTAL CONSULTING



Michael Carlson
Principal

enclosures (photographs)



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (film)
March 14, 2012 - afternoon

#1: SRWWTP entrance drive, road east of East Sludge Pond, and east side of East Sludge Pond, looking southwest from south of south clarifier. Note two vertical posts left of center and guard rail mark former loading pad.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (film)
March 14, 2012 - afternoon

#2: Road east of East Sludge Pond, East Sludge Pond, & concrete/steel bumper at former loading pad, looking west-southwest. Note white ellipse immediately left of dry grass tuft at center is adult Eastern Cottontail carcass

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (film)
March 14, 2012 - afternoon

#3: Ground at top of east central bank of East Sludge Pond opposite north end of former loading pad, looking down and west. Note Eastern Cottontail carcass, as found, entangled in excess netting.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (film)
March 14, 2012 - afternoon

#4: Eastern Cottontail carcass, as found, looking down and west. Note drenched, matted, and pale-looking fur, and strands of netting around feet and neck.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (film)
March 14, 2012 - afternoon

#5: Eastern Cottontail carcass, as found, and inch ruler for sizing, looking down and south. Note chestnut nape, legs that appear dangling, ruffled fur at side of neck, and Greenbottle Fly near left foreleg.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (film)
March 14, 2012 - afternoon

#6: Close-up of head of Eastern Cottontail carcass, as found, looking down and south. Note netting wrapped tightly around neck, open eye, long rabbit-like ears, and Greenbottle Fly on chestnut nape.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (digital)
March 15, 2012 - afternoon

#7: Left side of Eastern Cottontail carcass looking down at MEC Environmental Consulting. Note open eye, more normal coloration of fur after carcass had dried out in intervening 24 hours after discovery.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (digital)
March 15, 2012 - afternoon

#8: Right side of Eastern Cottontail carcass looking down at MEC Environmental Consulting. Note stained head and rumped, slightly soiled hip and rump.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson (digital)
March 15, 2012 - afternoon

#9: Close-up of right side of head of Eastern Cottontail carcass. Note bloodied fur, bruising around open eye, and deep cuts in throat from netting wrapped around neck.

MEC ENVIRONMENTAL CONSULTING

VIA FEDERAL EXPRESS

July 11, 2012

Mr. James E. Earl
Severstal Dearborn LLC
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

Subject: Schaefer Road Wastewater Treatment Plant - Carcass Report (P. N. 00330)

Dear Jim:

Please find herein the report on the avian remains which was found by myself on April 9, 2012 at approximately 17:30. This report was prepared in accordance with the procedures outlined in EPA's letters from Diane Sharrow, dated December 14, 2001 and August 12, 2004. The remains are of a probable Mallard (*Anas platyrhynchos*).

The remains were found on and in slag-covered ground at the middle slope amidst a relatively dense stand of Catnip (*Nepeta cataria*) on the east central bank of the Primary Lagoon, approximately 75 feet north of the TVT bridge and opposite a point approximately 3 feet south of the Secondary Lagoon cannon. The remains consisted of a clump of feathers with several bones, and several bones and at least a hundred feathers, including several primaries, within 5 to 20 inches mostly west-northwest of this larger clump. A pelvic girdle (without the caudal vertebrae) was also found on the lower slope of the east central bank approximately 8 feet west-southwest of the initial remains and approximately 5 feet from the water's edge.

Recovery of the remains was initiated at approximately 10:20 on April 10, 2012 because there was insufficient time and daylight on April 9 for recovery. A femur was found together with likely contour feathers, approximately 4 inches northwest of the main clump of approximately 100-200 feathers which appeared to be mostly back and greater covert feathers with several remiges. The femur, which measured 49 millimeters (mm) in length, was virtually skeletal with what appeared to be one residual tendon protruding from both the proximal and distal ends, and a small feather attached to the distal end. Other bones found include a humerus (90 mm), carpometacarpus (54 mm), radius (71 mm), ulna (75 mm), scapula (80 mm) with attached coracoid (51 mm), vertebral rib, one side of the lower jawbone (88 mm), and tibiotarsus (83 mm). The latter three bones all from very different parts of the bird were found next to each other. The wing bones (humerus, radius, ulna, and carpometacarpus) appeared to be heavily stained a dark yellowish-brown with dark gray to black specks and blotches. The rest of the bones, including the femur, were generally pale gray in color with medium to dark gray to black specks and/or areas of staining. Staining appeared to be greater at the proximal end of the humerus, radius, and carpometacarpus, and greater at the distal end of the radius, femur, and tibiotarsus. The right ischium of the pelvic girdle was broken and missing but it was found approximately 8 feet away.

Most of the feathers and bones were found on and against the ground. A number of smaller bones and feathers were found in between small pieces of slag and were mostly covered with 1-3 millimeters of soil. The primaries found, which had long calami, approximately 1.5 inches in length, were mostly dark brown to black, which appeared to be staining. All the feathers were extremely weathered and brittle, and many broke or fell apart upon retrieval. Virtually all of the feathers appeared very ragged, and were missing the margins of both the posterior and anterior vanes. The calami and many of the rachides were generally

whitish and appeared to be quite powdery. The primaries were 6.5 to 7.0 inches in length. The ventral side of at least one primary exhibited a conspicuous glossy area along both sides of the rachis which was clearly tegmen. Feathers were found both with dorsal and ventral sides against the ground.

No skull, flesh, or organs were found. No odor of decay was noted. No petroleum oil odor was noted.

Based on the long calami as well as the length of primaries and the conspicuous tegmen on at least one primary, the remains were identified as a duck. Based on the brown coloration of the primaries, the remains were tentatively identified as a Mallard because of the fact that this species is most common. In order to verify the identification, the wildlife specialist took the larger bones to the Bird Division of the Museum of Zoology at the University of Michigan in Ann Arbor on May 25, 2012. There the size and shape of several bones, notably the tibiotarsus, the lower jawbone, the pelvic girdle, the vertebral rib, and the carpometatarsus were compared with those of Mallard as well as other waterfowl of similar size from the skeletal collection of the Bird Division. A near-perfect match was found with a female Mallard with the exception that the length of the lower jawbone of the specimen hen Mallard was approximately 2-3 mm longer. However, upon close examination the distal end of the bone found appears to have been broken, quite possibly at the time it was separated from the opposite side of the lower jawbone.

(It should be noted that the bird was likely a wild Mallard as opposed to a domesticated one because the feathers appeared to be dark and not pale or mottled with white, as one would expect in a domestic Mallard hybrid. Domesticated ducks, including Mallards, are known to occur in the Dearborn area, and such domestic birds are not considered migratory birds under the Migratory Bird Treaty Act.)

Given the skeletal condition of the remains, the extremely degraded condition of the feathers, and that fact that many of the bones and some feathers were partially buried in slag and dirt, it would appear that the remains are at least several years old. However, it should be emphasized that nutrients and bacteria to facilitate biological degradation of sludge are added on a regular basis to the Primary Lagoon at the TVT moored on the east side of the lagoon. Thus, the water and shoreline of the Primary Lagoon constitute an environment rich both in nutrients and bacteria. Decomposition of feathers would likely occur rapidly in such an environment, possibly in as little as several months (Edward H. Burtt, Jr., Department of Zoology, Ohio Wesleyan University, personal communication). In addition, the portion of the east bank where the remains were found was affected for several months by Primary Lagoon dredging operations beginning in the late summer of 2011 and continuing into the late fall of the same year. These operations on the east central bank of the Primary Lagoon included clearing of two paths through the vegetation to the water's edge, dredging equipment storage (e.g., small boat, marker buoys, etc.), placement and re-positioning of piping to convey dredged material from the Primary Lagoon to the Diked Lagoon, temporary placement of the TVT bridge, and foot traffic by dredge operators. These dredging activities likely resulted on the unintentional disturbance of the carcass remains, moving portions of the remains as indicated by the fact that the pelvic girdle was broken and missing the caudal vertebrae, as well as the fact that the remains were distributed over a relatively large area- the pelvic girdle being approximately 8 feet away from most of the other remains, including the ischium, which is part of the pelvic girdle! Moreover, these operations, several being repeated regularly over a span of several months, likely resulted in the pressing many of the bones into the ground and between small pieces of slag. Finally, and most significantly, the observed staining of the remains may very possibly have been caused by the dredging activities identified, especially position of dredging equipment and the TVT bridge, which likely were contaminated with oily sludge from the lagoon. Thus, the possibility that the duck was not exposed to oil at the time of its death and that staining was caused subsequently by dredging activities cannot be ruled out.

In this regard, it should be emphasized that a Mallard drake carcass was found in the water at the south

end of the Primary Lagoon on February 16, 2007 and a Mallard hen carcass on the west bank of the Primary Lagoon on February 21, 2007. Based on position and appearance, both birds were suspected to have died from natural causes, possibly duck viral enteritis (DVE) or duck plague. In addition to DVE, Mallards are susceptible to other diseases such as avian cholera, avian influenza, aspergillosis, blood parasites (genera *Haemoproteus*, *Leucocytozoon*, and *Plasmodium*), and coccidiosis ((Drilling, N., et al., "Mallard," in *The Birds of North America Online*, No. 658, Ithaca, NY: Cornell Laboratory of Ornithology, 2002, Section 11). In addition, pesticides and heavy metals as well as toxins from the bacterium *Clostridium botulinum* (avian botulism) and blue-green algae (*Anabaena flosaquae*) can cause morbidity and mortality in Mallards (*Ibid.*). Therefore, it is possible that the subject Mallard hen also died from an avian disease or other natural cause. (The distribution of remains over such a relatively large area suggests that the bird was not killed by a predator. A hawk would pluck the bird and likely not dissect and eat the bird at the facility, thus leaving bones. A mammalian predator, such as a Red Fox, would likely take the entire bird away to a burrow or cache it. Missing bones, however, suggest the possibility that the carcass was scavenged.). However, in this case, it is impossible to ascertain the cause of death. The mean life expectancy of an adult Mallard is 1.8 years (*Ibid.*).

It is likely that the duck died either in the winter of 2010-2011 or in the spring of 2011 several months before dredging activity began at the Primary Lagoon. The latter timeframe is more likely given the fact that a carcass was not found during the March wildlife survey and that vegetation was dense on the east bank of the Primary Lagoon by the time of the April and May wildlife surveys. Vegetation remained dense on the east central bank of the Primary Lagoon for the remainder of 2011 and into 2012.


The remains are the third set of Mallard remains found at the SRWWTP- all at the Primary Lagoon. Mallard has regularly been recorded at the SRWWTP during the wildlife surveys since 2000. The species has occasionally roosted, and may have nested, in the bermed area. Mallards have also been regularly observed in the nearby Rouge River.

After the remains were photographed, examined, and retrieved, they was placed and sealed in a plastic bag at approximately 11:18 on April 10, 2012, and packed on ice inside a hard plastic cooler at approximately 11:23. The pelvic girdle was retrieved at approximately 11:56 and placed on ice inside the hard plastic cooler at 12:01. The remains were then transported by the wildlife specialist for deposition in a non-self-defrosting freezer at MEC Environmental Consulting under the company's federal and state salvage permits. The bagged carcass was placed in the freezer around 13:20 on April 10, 2012.

If you have any questions regarding this report, please call me at (248) 585-3800. Thank you again for selecting MEC Environmental Consulting for your wildlife management consulting needs.

Sincerely yours,

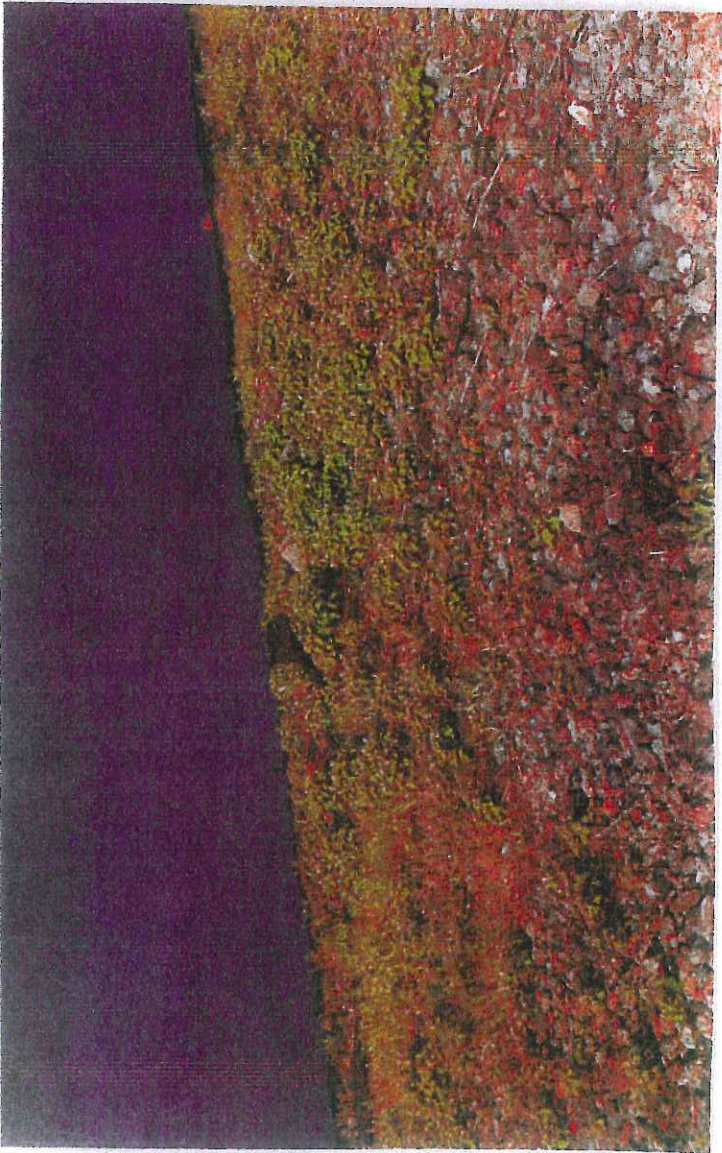
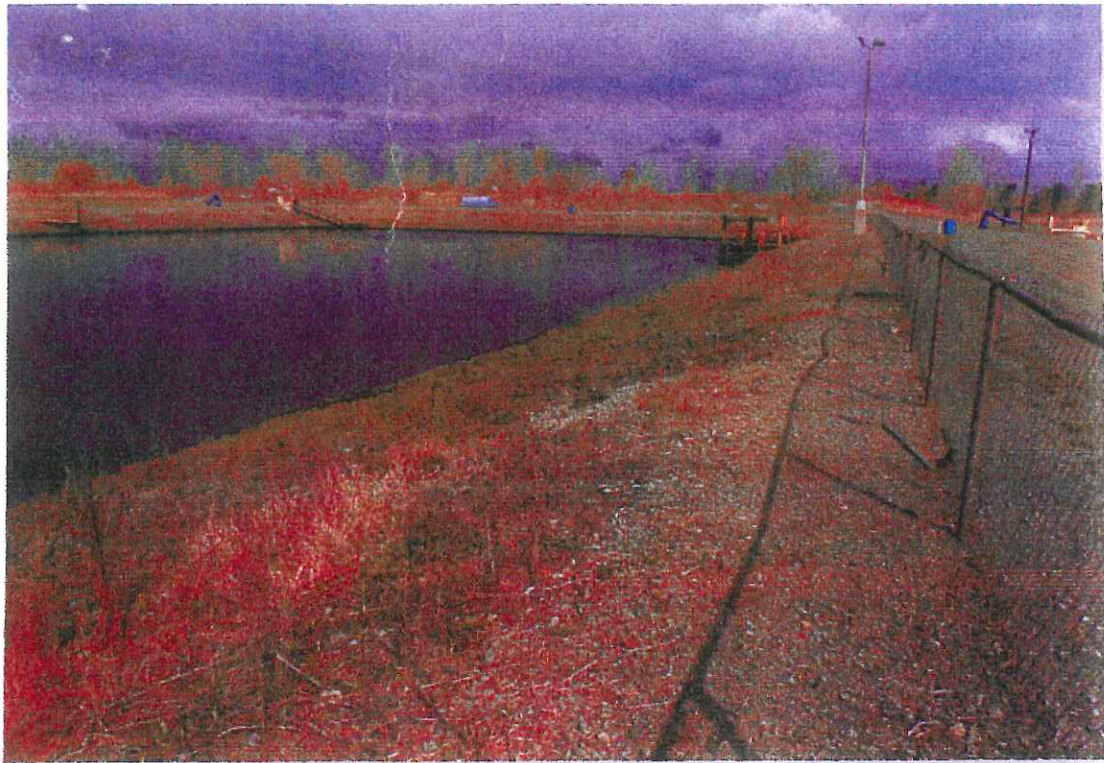
MEC ENVIRONMENTAL CONSULTING



Michael Carlson
Principal

enclosures (photographs)

cc. S.R. Dismukes



SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#1: East bank of the Primary Lagoon, looking north from top of bank opposite TVT bridge. Note Mallard remains found in center of broad area of green vegetation. Note hoist in distance and Primary Lagoon fence.

SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#2: East bank of the Primary Lagoon, looking west from top of bank approximately 75 feet north of the TVT bridge. Note Mallard remains found on the mid- and lower slopes (green area) here.

SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#3: Ground of middle slope of east bank of Primary Lagoon, looking down and southeast. Note Mallard remains, specifically feathers protruding from ground and inch ruler for sizing. Note extreme weathering of feathers.



SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#4: Ground of middle slope of east bank of Primary Lagoon, looking down and east. Note Mallard remains, specifically distal end of humerus protruding from slag chunks & clump of contour feathers with inch ruler for sizing.

SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 9, 2012 - afternoon (film)

#5: Ground of middle slope of east bank of Primary Lagoon, looking down and west. Note Mallard remains, specifically femur on slag with inch ruler for sizing. Note moderate dark gray staining.

SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#6: Ground of middle slope of east bank of Primary Lagoon, looking down and southeast from approximately 10 inches northwest of Photo #3. Note Mallard remains, specifically bones and feathers and inch ruler for sizing.



SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#7: Close-up of Mallard bones in Photo #6, specifically, tibiotarsus (top), vertebral rib (middle), and lower jawbone (bottom) with inch ruler for sizing. Note moderate gray staining

SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#8: Mallard remains from east central bank of Primary Lagoon, specifically coracoid and scapula and inch ruler for sizing. Note dark gray staining. Background is backside of clipboard.

SEVERSTAL DEARBORN, LLC
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#9: Ground of lower slope of east bank of Primary Lagoon, looking down and north from approximately 60 feet north of TVT bridge. Note Mallard remains, specifically pelvic girdle. Note broken and missing ischium.

MEC ENVIRONMENTAL CONSULTING

VIA FEDERAL EXPRESS

July 11, 2012

Mr. James E. Earl
Severstal Dearborn, LLC.
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

**Subject: Schaefer Road Wastewater Treatment Plant – Carcass Report
(P. N. 00330)**

Dear Jim:

Please find herein the report on the second wildlife remains which was found by myself on April 9, 2012. This report was prepared in accordance with the procedures outlined in EPA's letters from Diane Sharrow to Don Windeler, dated December 14, 2001 and August 12, 2004. The carcass is an Eastern Cottontail (*Sylvilagus floridanus*), probably an immature.

The carcass was found at 13:53 on the north shoulder of the road south of the East Sludge Pond approximately 6 feet west of the southeast corner of the East Sludge Pond and approximately 6 inches from excess netting lying on top the southeast bank of the East Sludge Pond. The excess netting here was ripped in several places near the edge. The carcass, which appeared old, weathered, and rather flattened, generally lay on its ventral side with the anterior end generally pointed northeast and the posterior end generally pointed southwest. The head was missing from the carcass, and no viscera or organs appeared to be present. The fur, and indeed the entire carcass, appeared to be very unkempt and extremely disheveled. Much of the fur was loose, and yet it appeared to not be soiled or full of dirt. Fur on both hind legs and feet appeared to be matted. The right hind leg protruded from the carcass pointing southeast and the right hind foot was positioned at a 90° angle to the south. The left hind leg appeared to project slightly from the carcass pointing southwest, with the left foot parallel to the leg and pointed northeast. A section of 3-4 skeletal white cervical vertebrae was conspicuous to the right of the right hind leg and pointed southeast. A semicircle of chestnut fur partially ringed the vertebrae. Other skeletal bones were apparent adjacent to the vertebrae and immediately east and north of the distal end of the left hind foot. Chestnut fur was also apparent immediately southeast of the left hind leg. No odor of decay was noted. No staining or evidence of oil was noted. Finally, no insect activity was noted on, below, or around the carcass.

Photographs were taken of the carcass as found. Due to time constraints imposed by the protocol of the wildlife survey, the wildlife specialist informed the SRWWTP operator on-duty that he would return the following morning to recover the carcass.

The wildlife specialist returned to the SRWWTP around 11:00 on April 10 to recover the carcass. The carcass was turned over to reveal the ventral side, and then photographed and examined. Ventrally the carcass resembled an agglomeration of matted fur with few recognizable features. No pelvis or rib cage was noted. Both forelegs and feet were missing. The right hind femur was fractured, and the broken end rather sharply pointed. The balance of the femur was not located, and only fur seemed to holding the right leg in place. (Indeed, upon recovery of the carcass, the left hind leg fell away from the carcass.)

The wildlife specialist recovered the carcass at 11:36 on April 10, 2012. The carcass was placed in a clear, gallon-size freezer bag and placed on ice inside a hard plastic cooler at 11:39. The bagged remains were then subsequently transferred by the wildlife specialist to MEC Environmental Consulting. The carcass was deposited in a non-self-defrosting freezer at approximately 13:05 under the company's Scientific Collector's Permit No. 1223 issued by the Michigan Department of Natural Resources. No necropsy was performed.

Based on the shape of the feet, coloration of the fur, and the chestnut semicircle around the cervical vertebrae, the carcass was identified as an Eastern Cottontail (*Sylvilagus floridanus*). Based on the relatively small size of the carcass, the rabbit was likely an young rabbit, probably born last year.

Based on the fact that the carcass was mostly fur and bones, and that there was no observed insect activity in, on, or around it, the carcass likely was at least 5-6 months old, especially considering that decomposition likely would have been retarded over the winter months. This hypothesis seems to be corroborated by the relatively small size of the mammal, which suggests that the rabbit was born in late summer or fall of 2011. The mammal likely died in December 2011 or January 2012, the coldest months.

The carcass was likely overlooked by SRWWTP personnel and the wildlife specialist during the March wildlife survey or dismissed as a shop rag or tattered work glove, especially given its flattened and disheveled appearance.

The several tears in the excess netting atop the southeast bank of the East Sludge Pond approximately 6 inches from the carcass suggest that the rabbit may have become entangled in the excess netting. Two other Eastern Cottontails have been found entangled in excess netting at the East Sludge Pond recently. On March 14, 2012 an adult Eastern Cottontail carcass was discovered tangled in excess netting at the top of the east central bank of the East Sludge Pond just north of the former loading area. On April 21, 2011 a presumed adult carcass of the same species was also found entangled in loose excess netting on the top of the south bank of the East Sludge Pond, approximately 15-20 feet west-northwest of the subject carcass.

While caught in the netting, the mammal likely was killed by a predator, probably a Red Fox. (Red Fox shows a strong preference for preying on Eastern Cottontail.). This hypothesis is supported by the broken right femur, which likely would not have resulted from the rabbit's struggle to extricate itself from the netting, as well as the tears in the netting, which also likely were not have been caused by the young rabbit's struggle alone. Additionally, the hypothesis is

supported by the very disheveled and matted appearance of the carcass. Finally, the hypothesis of death by a predator is supported by the missing head, as well as the missing fore legs, rib cage and pelvis of the mammal. Because of its small stomach, Red Fox frequently carries off portions of its prey that it cannot eat and typically buries them in a cache for future use.

On the other hand, it is possible that the rabbit, having disentangled itself from the netting, died subsequently from the struggle or exposure, and the carcass was scavenged by a predator, such as a Red Fox. However, if this were the case it seems likely that the Red Fox or other scavenger would have carried the entire carcass away, especially given the relatively small size of the rabbit. Furthermore, based on the other Eastern Cottontail carcasses entangled in excess netting, the mammals tend to become more entangled the more they struggle. Thus, it seems unlikely that the subject rabbit was able to extricate itself from the excess netting. Therefore, it is reasonable to conclude that the Eastern Cottontail was killed by a predator, and thus died from natural causes.


Six other Eastern Cottontail carcasses or remains have previously been found at the SRWWTP, including the two carcasses mentioned earlier. On April 21, 2011 a fresh carcass of a neonate was found near a nest at the south end of the plain west of the Primary Lagoon. A young Eastern Cottontail carcass was found on the east bank of the Secondary Lagoon on September 3, 2009. On May 23, 2008 the partial skull with back molars of a possible Eastern Cottontail was found at the top of the north bank of the Diked Lagoon, approximately 70 feet east of the northwest corner. All of these mammals appeared to die of natural causes. Finally, possible Eastern Cottontail remains were found on June 12, 2002.

Eastern Cottontails have been regularly observed at the SRWWTP since 2000 when wildlife surveys were first initiated.. Moreover, sign of Eastern Cottontail in the form of scats and tracks have been found in many of the wildlife surveys.

If you have any questions regarding this report, please call me at (248) 585-3800. Thank you again for selecting MEC Environmental Consulting for your wildlife management consulting needs.

Sincerely yours,

MEC ENVIRONMENTAL CONSULTING



Michael Carlson
Principal

enclosures (photographs)



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 09, 2012 - afternoon (film)

#1: Southeast corner of East Sludge Pond showing dirt road, netting and control gate. Eastern Cottontail carcass is at edge of net and between short yellow posts.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 09, 2012 - afternoon (film)

#2: East Sludge Pond looking north from middle of road south of lagoon opposite southeast corner of lagoon. Note light brown spot at center in front of green grass tuft is Eastern Cottontail carcass.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 09, 2012 - afternoon (film)

#3: Ground at north shoulder of the road south of the East Sludge Pond approximately 6 feet west of the southeast corner of the East Sludge Pond. Note Eastern Cottontail carcass as found and inch ruler for sizing.



SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 09, 2012 - afternoon (film)

#4: Close-up of Eastern Cottontail carcass as found and inch ruler for sizing. Note disheveled appearance, matted & loose fur, skeletal cervical vertebrae & adjacent ring of chestnut, small hind feet, and other bones.

SEVERSTAL DEARBORN, LLC.
SCHAEFER ROAD WWTP

Photographed by Michael Carlson
April 10, 2012 - morning (digital)

#5: Eastern Cottontail carcass turned over. Note extremely disheveled appearance. Note broken femur below and left of the center of bright white fur at center of photo.



MID087 73843J

June 15, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: May 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The May monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the May wildlife survey report by MEC Environmental Consulting, and the operators' inspection logs. Two carcasses were found: a European Starling at the top of the northeast bank of the Primary Lagoon, and a Mallard on the lower to middle slopes of the east bank of the Primary Lagoon. Both set of the remains appeared to be oiled. These carcasses will be discussed in a separate report.

Correction to the April 2012 report, there were four loads totaling 12,000 gallons of oil-water mixture hauled off site, we previously reported "No oil-water mixture was hauled off-site". Copies of April manifests are attached in Appendix C.

Please contact me at (313) 845-3217 if you have questions on the information in this report.

Very truly yours,

James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDNRE
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
May 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period May 1 through May 31, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

A Wildlife Survey was conducted on May 15, 2012 and a copy of the report is provided in Appendix A. Inspection reports show seasonal activities observed in the general area, and no significant issues at the site were identified. Except, two carcasses were found: an European Starling at the top of the northeast bank of the Primary Lagoon, and a Mallard on the lower to middle slopes of the east bank of the Primary Lagoon. Both set of the remains appeared to be oiled. These carcasses will be discussed in a separate report.

The summary of daily inspection findings is provided in Appendix B. Copies of the inspection reports are also provided in Appendix B. No repetitive use of the treatment ponds and lagoons was observed in the May inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in May. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.3 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in May 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In May, there were observations of killdeer overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix B.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of May 2012.

Correction to the April 2012 report, there were four loads totaling 12,000 gallons of oil-water mixture hauled off site, we previously reported "No oil-water mixture was hauled off-site". Copies of April manifests are attached in Appendix C.

APPENDIX A

Wildlife Survey

MEC ENVIRONMENTAL CONSULTING

VIA FEDERAL EXPRESS

June 13, 2012

Mr. James E. Earl
Severstal Dearborn, LLC.
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

**Subject: Schaefer Road Wastewater Treatment Plant: 2012 Wildlife Survey #3
(P. N. 00330)**

Dear Jim:

I am very pleased to present the enclosed letter report for the subject project in partial fulfillment of your Purchase Order No. 592351. This survey constitutes the monthly bird survey in accordance with your Continuing Emergency Measures (CEM) Workplan in response to EPA Administrative Order Docket No. R7003-5-00-001.

The May survey was completed on Tuesday, May 15, 2012. A total of 45 sets of five-minute observations were made from 05:09 to 21:45 at five different stations located at significant vantage points at the Schaefer Road Wastewater Treatment Plant (SRWWTP). Observations were made at this frequency in order to ensure a complete and scientifically sound inventory, to ensure quality assurance of the data collected, and to evaluate allegations of wildlife utilization of the impoundments. Observations were both visual and aural. Visual observations were made using Zeiss FL T* 10 x 42 power binoculars. The location of the five stations designated by MEC Environmental Consulting, which have been used in previous surveys and will continue to be used in subsequent surveys, is presented in the first enclosed table.

Weather conditions varied slightly over the period, and were influenced primarily by a slowly retreating strong low pressure system centered over the mid-Atlantic states with a cold front extending south along the coast, an occluded front extending from Pennsylvania to Kentucky, a large high pressure centered over the Midwest, and a low pressure system centered over southwestern Ontario with a warm front extending east and a cold front extending southwest. Barometric pressure, based on radio-broadcast readings from Detroit Metro Airport, was 29.98 in.-Hg and falling at 04:00, 29.99 in.-Hg and steady at 09:00, 29.98 in.-Hg and falling at 11:00, 29.97 in.-Hg and falling at noon, and 29.85 in.-Hg and steady at 21:00. Relative humidity, also based on radio broadcast National Weather Service data, was 68% at 04:00, 69% at 09:00, 40% at 11:00, 29% at noon, and 41% at 21:00. Sky conditions were clear to mostly clear throughout the day and partly cloudy to mostly cloudy during the evening. Temperatures ranged from 52° F at 04:47, to 54° F around 05:09, to 61° F around 08:02, to 66° F around 09:16, to 78° F around 11:46, to 80° F at 12:42, to 82° F around 18:59, and then to 79° F around 20:38, and to 71° F around 21:57. Winds were generally out of the south throughout the

period, except for brief periods in the morning when winds were out of the west and southwest, at least an hour in the mid-afternoon when winds were out of the west, and in the evening when winds were out of the east-southeast and southwest. Wind speed was approximately 0-3 mph until around 08:00, to 3-8 mph until around noon, to 8-15 mph in the afternoon and early evening, and 0-5 mph during the late evening. A last quarter moon was observed in the southeast sky before sunrise. Sunrise was at 06:12; sunset was at 20:48.

A total of 33 bird species was observed within the fenceline of the SRWWTP. This species total is one species lower than the 2000-2011 March mean of 34. Although the night before the survey was not ideal for bird migration because of areas of fog and the passing cold front to the south, a number of migrants were still observed because the survey was conducted at the peak of the avian spring migration. Thus, a greater variety and number of birds than that observed at the SRWWTP was expected. This information suggests that the habitat modifications and deterrents in-place at the SRWWTP are effective.

Two non-human mammalian species was observed during the survey: Eastern Cottontail (*Sylvilagus floridanus*) and Eastern Fox Squirrel (*Sciurus niger*). At 05:19 two Eastern Cottontails were observed by spotlight to forage in the grass north of the south perimeter fence south of the East Sludge Pond. At 21:54 presumably a different individual was briefly observed by vehicle headlights at the top of the southeast bank of the Secondary Lagoon immediately northeast of the belt skimmer. None of these individuals were viewed well enough to determine if their fur was oiled or stained. At 19:44 one Eastern Fox Squirrel was observed to quickly scamper east through the grass just north of the south perimeter fence. This individual did not appear to have staining or oil on its fur.

One reptilian species was observed during the survey: Painted Turtle (*Chrysemys picta*). At 19:09 one female Painted Turtle was observed on the east shoulder of the road east of the Diked Lagoon and near the toe of the outer slope southeast of Station No. 4. No oil was observed on this individual which appeared to be headed for the Diked Lagoon. The wildlife specialist placed the animal in the bermed area nearby. At 20:17 a second Painted Turtle was observed on the east shoulder of the road west of the Diked Lagoon at the toe of the outer slope opposite the south end of the dogleg of the bermed area. No evidence of oil was observed on this individual.

Two amphibian species was observed during the survey: Green Frog (*Rana clamitans*) and American Toad (*Bufo americanus*). At 12:57 approximately 100 probable Green Frog tadpoles were observed to swim and loaf in the water along west side of the East Sludge Pond. Approximately 18 Green Frog tadpoles were observed in the water along the east side of the East Sludge Pond at 13:32. At 14:03 a possible Green Frog was observed to jump in the West Sludge Pond approximately three feet east of the northwest corner of the pond. At 21:19 one American Toad was observed to vocalize from what sounded like the east outer bank of the Diked Lagoon. At 21:42 two American Toads were observed to vocalize from what sounded like the area between the East and West Sludge Ponds. None of these amphibians were seen.

In addition, two large Carp (*Cyprinus carpio*) were observed along the east side of the Secondary Lagoon at 06:55 and 07:08. Two medium-sized Carp were observed at 07:11 along the east side of the Secondary Lagoon opposite the pumphouse. Approximately 15 relatively small Carp were observed at 14:50 along the east central side of the Secondary Lagoon.

The entire shoreline of each impoundment was systematically checked at least once during the day. Only the shorelines of the Primary Lagoon (except the north end under the net), Diked Lagoon, sludge ponds (except for the inaccessible west side of the West Sludge Pond) and the south side of the Secondary Lagoon, however, were walked due to steep slopes of the rest of the impoundments. The shorelines of these impoundments were searched from top of grade and other angles using binoculars. Animal sign observed during this search is summarized in the third enclosed table. Photographs, including those of animal sign, are enclosed.

Two remains were found: a European Starling (*Sternus vulgaris*) carcass at the top of the northeast bank of the Primary Lagoon at the base of the utility pole, and Mallard (*Anas platyrhynchos*) wing feathers on the lower to middle slopes of the east bank of the Primary Lagoon approximately 8 feet north of the mop tray of OMI 1. Both sets of remains appeared to be oiled. These remains will be discussed subsequently in separate reports.

If you have any questions regarding this report please call me at (248) 585-3800. Thank you for choosing MEC Environmental Consulting for your wildlife management needs.

Sincerely yours,

MEC ENVIRONMENTAL CONSULTING

A handwritten signature in blue ink, appearing to read 'Michael E. Carlson', with a long horizontal flourish extending to the right.

Michael E. Carlson
Principal

enclosures

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

BIRD SURVEY STATIONS

No.	Location	Vantage Point for . . .
1	Between East and West Sludge Ponds, on the south side, between the two guard rails	East Sludge Pond West Sludge Pond South Clarifier (part)
2	East side of Secondary Lagoon at north end of guard rail opposite the North Clarifier	Secondary Lagoon North Clarifier (most)
3	South central end of Primary Lagoon just east of weather station	Primary Lagoon
4	Southeast corner of Diked Lagoon	Diked Lagoon Secondary Lagoon (except S end) Primary Lagoon
5	South Central Side of Bermed Area*	Bermed area*, except west end (including dogleg) Diked Lagoon

* not a wastewater treatment pond or lagoon

SCHAEFER ROAD WASTEWATER TREATMENT PLANT
BIRD SURVEY RESULTS
Tuesday, May 15, 2012

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Common Loon	<i>Gavia immer</i>								
Pied-billed Grebe	<i>Podilymbus podiceps</i>								
Horned Grebe	<i>Podiceps auritus</i>								
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	1		X	X				1, 2, 3, 4, 5
American Bittern	<i>Botaurus lentiginosus</i>								
Great Blue Heron *	<i>Ardea herodias</i>	1			X	X			6
Great Egret *	<i>Ardea alba</i>								
Snowy Egret	<i>Egretta thula</i>								
Green Heron *	<i>Butorides virescens</i>	1						X	2, 3, 5, 7, 8
Black-crowned Night-Heron *	<i>Nycticorax nycticorax</i>	1						X	2, 3, 9
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>								
Glossy Ibis	<i>Plegadis falcinellus</i>								
Turkey Vulture	<i>Cathartes aura</i>								
Snow Goose	<i>Chen caerulescens</i>								
Cackling Goose	<i>Branta hutchinsii</i>								
Canada Goose *	<i>Branta canadensis</i>	13				X	X	X	2, 10
Mute Swan *	<i>Cygnus olor</i>								
Tundra Swan	<i>Cygnus columbianus</i>								
Wood Duck *	<i>Aix sponsa</i>								
Gadwall	<i>Anas strepera</i>								
American Wigeon	<i>Anas americana</i>								
American Black Duck *	<i>Anas rubripes</i>								
Mallard *	<i>Anas platyrhynchos</i>	1						X	2, 3, 7, 11
Blue-winged Teal *	<i>Anas discors</i>								
Northern Shoveler	<i>Anas clypeata</i>								
Northern Pintail	<i>Anas acuta</i>								
Green-winged Teal	<i>Anas crecca</i>								
Canvasback	<i>Aythya valisineria</i>								
Redhead	<i>Aythya americana</i>								
Ring-necked Duck	<i>Aythya collaris</i>								
Greater Scaup	<i>Aythya marila</i>								
Lesser Scaup	<i>Aythya affinis</i>								
Long-tailed Duck	<i>Clangula hyemalis</i>								
Bufflehead	<i>Bucephala albeola</i>								
Common Goldeneye	<i>Bucephala clangula</i>								
Hooded Merganser	<i>Lophodytes cucullatus</i>								
Red-breasted Merganser	<i>Mergus serrator</i>								
Common Merganser	<i>Mergus merganser</i>								
Ruddy Duck	<i>Oxyura jamaicensis</i>								
Osprey	<i>Pandion haliaetus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Bald Eagle	<i>Haliaeetus leucocephalus</i>								
Northern Harrier	<i>Circus cyaneus</i>								
Sharp-shinned Hawk	<i>Accipiter striatus</i>								
Cooper's Hawk *	<i>Accipiter cooperii</i>								
Broad-winged Hawk	<i>Buteo platypterus</i>								
Red-tailed Hawk *	<i>Buteo jamaicensis</i>								
Rough-legged Hawk	<i>Buteo lagopus</i>								
American Kestrel *	<i>Falco sparverius</i>								
Merlin	<i>Falco columbarius</i>								
Peregrine Falcon	<i>Falco peregrinus</i>								
Ring-necked Pheasant *	<i>Phasianus colchicus</i>								
Northern Bobwhite *	<i>Colinus virginianus</i>								
Virginia Rail	<i>Rallus limicola</i>								
Sora	<i>Porzana carolina</i>	1						X	2, 3, 7, 12
Common Gallinule	<i>Gallinula galeata</i>								
American Coot	<i>Fulica americana</i>								
Black-bellied Plover	<i>Pluvialis squatarola</i>								
American Golden-Plover	<i>Pluvialis dominica</i>								
Semipalmated Plover	<i>Charadrius semipalmatus</i>								
Killdeer *	<i>Charadrius vociferus</i>	8	X		X	X	X	X	2, 3, 13
Greater Yellowlegs	<i>Tringa melanoleuca</i>								
Lesser Yellowlegs	<i>Tringa flavipes</i>								
Solitary Sandpiper	<i>Tringa solitaria</i>								
Spotted Sandpiper *	<i>Actitis macularius</i>	5	X		X	X	X	X	14
Whimbrel	<i>Numenius phaeopus</i>								
Ruddy Turnstone	<i>Arenaria interpres</i>								
Red Knot	<i>Calidris canutus</i>								
Sanderling	<i>Calidris alba</i>								
Semipalmated Sandpiper	<i>Calidris pusilla</i>								
Western Sandpiper	<i>Calidris mauri</i>								
Least Sandpiper	<i>Calidris minutilla</i>								
White-rumped Sandpiper	<i>Calidris fuscicollis</i>								
Baird's Sandpiper	<i>Calidris bairdii</i>								
Pectoral Sandpiper	<i>Calidris melanotos</i>								
Dunlin	<i>Calidris alpina</i>								
Short-billed Dowitcher	<i>Limnodromus griseus</i>								
Wilson's Snipe	<i>Gallinago delicata</i>								
American Woodcock *	<i>Scolopax minor</i>	4	X				X	X	2, 3, 7, 15
Wilson's Phalarope	<i>Phalaropus tricolor</i>								
Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>								
Ring-billed Gull *	<i>Larus delawarensis</i>								
Herring Gull *	<i>Larus argentatus</i>	2	X		X	X			1, 2, 3, 16
Thayer's Gull	<i>Larus thayeri</i>								
Glaucous Gull	<i>Larus hyperboreus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Great Black-backed Gull	<i>Larus marinus</i>								
Caspian Tern	<i>Hydroprogne caspia</i>								
Common Tern *	<i>Sterna hirundo</i>								
Forster's Tern *	<i>Sterna forsteri</i>								
Black Tern *	<i>Chlidonias niger</i>								
Rock Pigeon *	<i>Columba livia</i>								
Mourning Dove *	<i>Zenaidura macroura</i>	1					X		2, 3, 7, 17
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>								
Eastern Screech Owl *	<i>Megascops asio</i>								
Great Horned Owl *	<i>Bubo virginianus</i>								
Snowy Owl	<i>Bubo scandiacus</i>								
Short-eared Owl	<i>Asio flammeus</i>								
Common Nighthawk	<i>Chordeiles minor</i>	1			X				1, 2, 4, 18
Chimney Swift *	<i>Chaetura pelagica</i>								
Ruby-throated Hummingbird *	<i>Archilochus colubris</i>								
Belted Kingfisher *	<i>Ceryle alcyon</i>								
Red-headed Woodpecker *	<i>Melanerpes erythrocephalus</i>								
Red-bellied Woodpecker *	<i>Melanerpes carolinus</i>								
Downy Woodpecker *	<i>Picoides pubescens</i>								
Hairy Woodpecker *	<i>Picoides villosus</i>								
Northern Flicker *	<i>Colaptes auratus</i>								
Eastern Wood-Pewee *	<i>Contopus virens</i>								
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>								
Alder Flycatcher	<i>Empidonax alnorum</i>								
Willow Flycatcher *	<i>Empidonax traillii</i>								
Least Flycatcher *	<i>Empidonax minimus</i>	1					X		2, 3, 4, 7
Eastern Phoebe	<i>Sayornis phoebe</i>								
Great Crested Flycatcher *	<i>Myiarchus crinitus</i>								
Eastern Kingbird *	<i>Tyrannus tyrannus</i>	2			X	X			2, 3, 19
White-eyed Vireo	<i>Vireo griseus</i>								
Blue-headed Vireo	<i>Vireo solitarius</i>								
Yellow-throated Vireo *	<i>Vireo flavifrons</i>								
Warbling Vireo *	<i>Vireo gilvus</i>	4				X	X		2, 3, 4, 7, 20
Philadelphia Vireo	<i>Vireo philadelphicus</i>								
Red-eyed Vireo *	<i>Vireo olivaceus</i>								
Blue Jay *	<i>Cyanocitta cristata</i>								
American Crow *	<i>Corvus brachyrhynchos</i>								
Horned Lark	<i>Eremophila alpestris</i>								
Purple Martin *	<i>Progne subis</i>								
Tree Swallow *	<i>Tachycineta bicolor</i>	1				X			1, 7, 21
Northern Rough-winged Swallow*	<i>Stelgidopteryx serripennis</i>	3		X	X	X	X		2, 4, 22
Bank Swallow *	<i>Riparia riparia</i>								
Barn Swallow *	<i>Hirundo rustica</i>	6	X		X	X			1, 2, 4, 23
Cliff Swallow *	<i>Petrochelidon pyrrhonota</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Black-capped Chickadee *	<i>Poecile atricapillus</i>								
Tufted Titmouse *	<i>Baeolophus bicolor</i>								
Red-breasted Nuthatch	<i>Sitta canadensis</i>								
White-breasted Nuthatch *	<i>Sitta carolinensis</i>								
Brown Creeper	<i>Certhia americana</i>								
Carolina Wren *	<i>Thryothorus ludovicianus</i>								
House Wren *	<i>Troglodytes aedon</i>								
Winter Wren	<i>Troglodytes hiemalis</i>								
Sedge Wren	<i>Cistothorus platensis</i>								
Marsh Wren	<i>Cistothorus palustris</i>								
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>								
Golden-crowned Kinglet	<i>Regulus satrapa</i>								
Ruby-crowned Kinglet	<i>Regulus calendula</i>								
Eastern Bluebird	<i>Sialia sialis</i>								
Veery	<i>Catharus fuscescens</i>								
Gray-cheeked Thrush	<i>Catharus minimus</i>								
Swainson's Thrush	<i>Catharus ustulatus</i>								
Hermit Thrush	<i>Catharus guttatus</i>								
Wood Thrush *	<i>Hylocichla mustelinus</i>								
American Robin *	<i>Turdus migratorius</i>	17	X		X	X	X	X	24
Gray Catbird *	<i>Dumetella carolinensis</i>								
Northern Mockingbird	<i>Mimus polyglottos</i>								
Brown Thrasher *	<i>Toxostoma rufum</i>								
European Starling *	<i>Sturnus vulgaris</i>	71	X		X		X	X	2, 3, 25, 26
American Pipit	<i>Anthus rubescens</i>								
Cedar Waxwing *	<i>Bombycilla cedrorum</i>								
Blue-winged Warbler	<i>Vermivora cyanoptera</i>								
Golden-winged Warbler	<i>Vermivora chrysoptera</i>								
Tennessee Warbler	<i>Oreothlypis peregrina</i>	1					X		2, 3, 4, 7
Orange-crowned Warbler	<i>Oreothlypis celata</i>								
Nashville Warbler *	<i>Oreothlypis ruficapilla</i>								
Northern Parula	<i>Setophaga americana</i>								
Yellow Warbler *	<i>Setophaga petechia</i>	4		X			X		2, 3, 4, 27
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>								
Magnolia Warbler	<i>Setophaga magnolia</i>								
Cape May Warbler	<i>Setophaga tigrina</i>								
Black-throated Blue Warbler	<i>Setophaga virens</i>								
Yellow-rumped Warbler	<i>Setophaga coronata</i>								
Black-throated Green Warbler	<i>Setophaga virens</i>								
Pine Warbler	<i>Setophaga pinus</i>								
Prairie Warbler	<i>Setophaga discolor</i>								
Palm Warbler	<i>Setophaga palmarum</i>								
Bay-breasted Warbler	<i>Setophaga castanea</i>								
Blackpoll Warbler	<i>Setophaga striata</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Cerulean Warbler	<i>Setophaga cerulea</i>								
Black-and-white Warbler	<i>Mniotilta varia</i>								
American Redstart	<i>Setophaga ruticilla</i>								
Prothonotary Warbler	<i>Protonotaria citrea</i>								
Ovenbird *	<i>Seiurus aurocapilla</i>								
Northern Waterthrush	<i>Parkesia noveboracensis</i>								
Mourning Warbler *	<i>Geothlypis philadelphia</i>								
Common Yellowthroat *	<i>Geothlypis trichas</i>								
Wilson's Warbler	<i>Cardellina pusilla</i>								
Canada Warbler	<i>Cardellina canadensis</i>								
Yellow-breasted Chat	<i>Icteria virens</i>								
Scarlet Tanager *	<i>Piranga olivacea</i>								
Eastern Towhee *	<i>Pipilo erythrophthalmus</i>								
American Tree Sparrow	<i>Spizella arborea</i>								
Chipping Sparrow *	<i>Spizella passerina</i>	1					X		2, 3, 4, 7
Field Sparrow *	<i>Spizella pusilla</i>								
Vesper Sparrow *	<i>Poocetes gramineus</i>								
Savannah Sparrow *	<i>Passerculus sandwichensis</i>								
Grasshopper Sparrow	<i>Ammodramus savannarum</i>								
Henslow's Sparrow	<i>Ammodramus henslowii</i>								
Fox Sparrow	<i>Passerella iliaca</i>								
Song Sparrow *	<i>Melospiza melodia</i>	6					X	X	2, 3, 7, 28
Lincoln's Sparrow	<i>Melospiza lincolnii</i>								
Swamp Sparrow *	<i>Melospiza georgiana</i>								
White-throated Sparrow	<i>Zonotrichia albicollis</i>								
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>								
Dark-eyed Junco	<i>Junco hyemalis</i>								
Lapland Longspur	<i>Calcarius lapponicus</i>								
Snow Bunting	<i>Plectrophenax nivalis</i>								
Northern Cardinal *	<i>Cardinalis cardinalis</i>	1					X		2, 3, 4, 7
Rose-breasted Grosbeak *	<i>Pheucticus ludovicianus</i>								
Indigo Bunting *	<i>Passerina cyanea</i>								
Dickcissel	<i>Spiza americana</i>								
Bobolink *	<i>Dolichonyx oryzivorus</i>								
Red-winged Blackbird *	<i>Agelaius phoeniceus</i>	111	X		X	X	X	X	29
Eastern Meadowlark *	<i>Sturnella magna</i>								
Rusty Blackbird	<i>Euphagus carolinus</i>								
Common Grackle *	<i>Quiscalus quiscula</i>	77	X		X		X	X	30
Brown-headed Cowbird *	<i>Molothrus ater</i>	1			X				2, 3, 7, 31
Orchard Oriole *	<i>Icterus spurius</i>	2					X		2, 3, 4, 7
Baltimore Oriole *	<i>Icterus galbula</i>	6					X	X	2, 3, 4, 32
Purple Finch	<i>Carpodacus purpureus</i>								
House Finch *	<i>Carpodacus mexicanus</i>	1					X		2, 3, 7
Red Crossbill	<i>Loxia curvirostra</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
White-winged Crossbill *	<i>Loxia leucoptera</i>								
Common Redpoll	<i>Acanthis flammea</i>								
Pine Siskin *	<i>Spinus pinus</i>								
American Goldfinch *	<i>Spinus tristis</i>	16	X	X	X	X	X	X	2, 3, 4, 33
Evening Grosbeak	<i>Coccothraustes vespertinus</i>								
House Sparrow *	<i>Passer domesticus</i>								
SPECIES TOTAL		33							

LEGEND

Number means the maximum total observed within the fenceline at the facility; effort was made to avoid any double-counting.

* Indicates species known or suspected to breed in the general area encompassing the site based on generalized state maps (showing county boundaries) presented in "The Atlas of Breeding Birds of Michigan" by R. Brewer et al. (MSU Press: East Lansing, 1991). It should be emphasized that many of the species indicated as breeding birds have specific habitat requirements that are not met by the industrial environment at the Schaefer Road Wastewater Treatment Plant (SRWWTP) and the surrounding area. Thus, species marked with an asterisk above should not be assumed to breed at or even adjacent to the SRWWTP.

Species list adapted from "Bird Checklist of Michigan" (Thayer's Birding Software, 1999) considering habitat provided by site and immediately surrounding areas. Nomenclature is based on the 52nd Supplement to the American Ornithologists' Union "Checklist of North American Birds" (2011).

Bird data collected at five different stations over five-minute intervals throughout the day. Survey performed by Michael Carlson from 5:09 AM to 9:40 PM.

X indicates observations made. It should be emphasized that "X" means that the species was observed within the fenceline of the SRWWTP in proximity to the particular impoundment and, unless otherwise noted, not on or in contact with the water or immediately adjacent to the water at a particular impoundment. In many cases, the species was observed flying over the pond, sometimes higher than 200 feet.

Impoundment Designations:

- L Sludge Ponds
- C Clarifiers
- S Secondary Lagoon
- P Primary Lagoon
- D Diked Lagoon

Other Area Designations:

- B Bermed Area

SCHAEFER ROAD WASTEWATER TREATMENT PLANT
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1. Individual(s) observed flying over the SRWWTP.
2. Individual(s) was not observed at or near the water's edge of any of the wastewater treatment ponds and lagoons.
3. Individual(s) showed no interest in water surfaces of the SRWWTP wastewater treatment ponds and lagoons.
4. Individual(s) likely recently arrived migrant(s) or still in the process of migration.
5. At 09:16 one individual was observed to fly south-southeast over the south end of the Secondary Lagoon and clarifiers at an estimated height of approximately 100-150 feet above ground surface.
6. At 06:52 one individual was observed to flush from the Secondary Lagoon, possibly from the north diagonal boom, due to the approach of the wildlife specialist. The bird was observed to fly north at an estimated height of approximately 2 to 8 feet above the water surface, and to be harassed by a male Red-winged Blackbird. The heron was then observed to fly west over the west bank of the Secondary Lagoon and the Primary Lagoon and to exit the SRWWTP. This individual was viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that oil would likely have been apparent on the birds due to the pale gray neck and whitish face and whitish marginal coverts which are characteristic of this species.
7. Individual heard, but not seen.
8. At 15:32 one individual was observed to call from the dogleg of the bermed area.
9. Around 08:42 one individual was observed to call from the bermed area proper. Approximately 120-180 seconds later the bird was very briefly observed to fly west. This individual was not viewed through binoculars but only the naked eye for a fraction of a second. Due to these facts, no conclusion can be made concerning the condition of plumage of this individual.
10. At 06:54 one individual was observed to fly north over the Primary Lagoon. This individual was observed to slow its flight and to rather abruptly turn around over the north end of the Primary Lagoon, to fly southwest, and to exit the SRWWTP. At 07:21 two individuals were observed to fly north over the dogleg of the bermed area and to assume a landing position. Both birds were observed to turn west and to land in the dogleg of the bermed area. At 07:37 two different individuals were observed to fly north over the Primary and Diked Lagoons, to turn and to fly west over the bermed area proper, and then to turn again over the dogleg of the bermed area and to fly south at an estimated height of approximately 50-80 feet above ground surface. Around 09:48 one individual was observed to call from the bermed area. At 21:14 a flock of 10 individuals was observed to call and to fly north over the plain northwest of the Primary Lagoon, and then to make a U-turn over the dogleg of the bermed area. The flock was then observed to fly south and to exit the SRWWTP in the general direction in which it came. Most of these individuals were viewed through binoculars, albeit very briefly. No evidence of oil or discoloration, or matted feathers was observed on any of these individuals. It should be noted that any oil would likely have been apparent on these birds due to the white throat-cheek patch, white vent, white femoral tract and rump, and pale breast which characterize this species.
11. At 05:43 one individual was observed to call from the west end of the bermed area proper.
12. Around 08:48 one individual was observed to call from the bermed area proper.

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13. Around 05:26 one individual was observed to call from the plain south of the Primary Lagoon. At the same time a second individual was observed to call from the plain west of the Primary Lagoon. At 05:36 four individuals were observed to call from the plain west of the Primary Lagoon. Around 05:47 one individual was observed to call from what sounded like the road south of the Diked Lagoon. Around 05:56 presumably one of the same individuals was observed to call from the plain northwest of the Primary Lagoon. Around 06:16 one individual was observed to call from what likely was the plain south of the Primary Lagoon. At the same time one individual was observed to call from what sounded like the top of the west central bank of the Secondary Lagoon. Around 06:22 presumably one of the same individuals was observed to flush, due to the approach of the SRWWTP vehicle, from near the top of the west bank of the Secondary Lagoon, and to fly south to the road north of the East Sludge Pond. Around 06:24 this bird was observed to flush, due to the approach of the wildlife specialist, and to fly south to the plain south of the East Sludge Pond, where it was observed to forage in the grass. Possibly the same individual was observed at 06:32 to call from the ground near the west perimeter fence immediately north of the West Sludge Pond. This bird was observed to flush at the approach of the wildlife specialist, and was observed to exit the SRWWTP by flying west over the perimeter fence. Around 06:40 one individual was observed to call from the plain south of the Primary Lagoon. Around 07:15 one individual was observed to call likely from the plain west of the Primary Lagoon. At 07:41 one individual was observed to fly east over the bermed area proper. At 07:45 one individual was observed to call from the grass of the plain northwest of the Primary Lagoon. At 07:48 and 10:41 three individuals were observed to forage in the grass of the plain west of the Primary Lagoon. Around 08:02 one individual was observed to forage in the road south of the East Sludge Pond. Around 08:55 one individual was observed to call from what sounded like the plain northwest of the Primary Lagoon. Around 09:48 one individual was observed to call from the plain west of the Primary Lagoon. At 10:21 one individual was observed to call from the plain north of the Primary Lagoon. Around 10:30 one individual was observed to call from the airspace over the Diked Lagoon. Around 10:58 one individual was observed to forage south of the road south of the East Sludge Pond. Around 11:35 one individual was observed to forage in the grass of the plain south of the East Sludge Pond. Around 19:43 one individual was observed to call from the plain south of the East Sludge Pond. Around 19:59 one individual was observed to call from the plain west of the Primary Lagoon. All of the individuals observed were adults. Several of these individuals were viewed through the naked eye and binoculars at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on any of these other individuals. It should be noted that any oil would likely have been apparent on these birds, due to the white eyebrow, forehead, throat, collar, lower breast, belly, vent, wing stripe, tail tip, and underwing coverts that characterize the plumage of this species.
14. At 06:07 one individual was observed to call and to fly south over the Secondary Lagoon at an estimated height of approximately one foot above the water surface. Around 07:26 one individual was observed to call from the top of the north bank of the Diked Lagoon approximately 18 feet southeast of Station No. 5. Seconds later the same bird was observed to fly west at an estimated height of approximately 1-5 feet above the surface of the water. Around 07:54 one individual was observed to call from what sounded like the west bank of the Primary Lagoon. Around 08:17 one individual was observed to call from what sounded like the top of the west bank of the Secondary Lagoon. Around 10:30 one individual was observed to fly southeast over the west end of the bermed area proper at an estimated height of approximately 10-20 feet above ground surface. This individual was observed to land on the top of the north bank of the Diked Lagoon. Around 11:05 one individual was observed to call from what sounded like the southwest bank of the Secondary Lagoon. Around 11:14 one individual was observed to forage on the middle slope of the south bank of the East Sludge Pond under the net. The bird was observed to walk up the slope and was then observed to be above the net. At 18:07 one individual was observed to flush, due to the approach of the wildlife specialist, from the lower slope of the northwest bank of the Primary Lagoon near the south side of the hoist. This individual was observed to fly southeast at an estimated height of approximately 3-5 feet above the water surface. Around 18:59 one individual was observed to call from what sounded like the south bank of the Secondary Lagoon but possibly could have been the East Sludge Pond. Around 19:35, 19:59, and 20:07 one individual was observed to call from the Primary Lagoon.

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Around 20:23 possibly the same individual was observed to call from what sounded like the southwest bank of the Primary Lagoon. Around 21:16 one individual was observed to call from what sounded like the west bank of the Primary Lagoon. Around 21:25 one individual was observed to call from what sounded like the lower slope of the southwest bank of the Primary Lagoon. All of the individuals observed were adults. Several of these individuals were viewed through the naked eye and binoculars at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on any of these other individuals. It should be noted that any oil would likely have been apparent on this bird due to the narrow white supercilium, white belly and vent, whitish underwing coverts, and narrow white wing stripe (base of the secondaries) that characterize the adult alternate plumage of this species.

15. Around 05:17 one individual was observed to give the nasal ground call, characteristic of this species, from what sounded like the plain south of the East Sludge Pond. Around 21:06 one individual was observed to give the nasal ground call from what sounded like the top of the south central outer slope of the Diked Lagoon. At the same time a second individual was observed to give the nasal ground call from the bermed area. The individual at the south outer slope of the Diked Lagoon was again observed to give the nasal ground call around 21:16. At the same time presumably a different individual was observed to give the aerial flight song over the bermed area.
16. At 06:48 one adult was observed to fly southeast over the Secondary Lagoon at an estimated height of approximately 80-100 feet above ground surface. This individual was viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would likely have been very apparent on especially a third or fourth year bird, due to the bird's prominent white plumage on the head, breast, belly, and underwing. Around 10:49 one individual was observed to call from the airspace over the Primary Lagoon. This bird was likely flying well over 200 feet above ground surface because it could not be readily seen with the naked eye.
17. At 09:45 one individual was observed to flush from the tree at the east end of the south outer slope of the Diked Lagoon south Station No. 4 due to the approach of the wildlife specialist. The bird apparently flew east based on wing noise but was never seen.
18. Around 20:54 one individual was observed to call and to aerially forage for flying insects over the Secondary Lagoon as it flew southwest. The bird initially was observed to call at an estimated height of approximately 400 feet above ground surface. Once located in the field of the binoculars, the bird was observed to dive approximately 200-300 feet to approximately 60-80 feet above ground surface. Due to the ambient noise level, however, the vibrato of its wings at the nadir of the dive was not heard. This individual was viewed through binoculars at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that oil would likely have been apparent due to the conspicuous white patch at the base of the primaries in each wing which is characteristic of the plumage of this species.
19. At 07:03 one individual was observed to call from atop the Primary Lagoon fence opposite the weather station, located opposite the top of the southwest bank of the Primary Lagoon. Around 08:17 presumably the same individual was observed to call from what sounded like the top of the south bank of the Primary Lagoon. Around 09:35 presumably the same individual was observed to call from the north and then the south guy wires of the weather station opposite the top of the southwest corner of the Primary Lagoon. Around 10:21 a second individual was observed to call from the south central outer slope of the Diked Lagoon. Only the first individual associated with the south Primary Lagoon fence and weather station was viewed through the naked eye and binoculars at close range. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would likely have been very apparent on this bird due to the white terminal tail band and white underparts which characterize the plumage of this species.

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20. Around 05:47 and 05:56 one individual was observed to sing in the dogleg of the bermed area. Around 08:32 presumably a different individual was observed to sing from the bermed area proper. Around 08:55 and 09:56 two individuals were observed to sing: likely the same individual and presumably a different individual from the dogleg of the bermed area. Around 09:48 presumably one of the same individuals was observed to sing from the south central outer slope of the Diked Lagoon. Around 10:30 two individuals, including presumably a different individual, were observed to sing from the bermed area proper.
21. Around 08:07 one individual was observed to call from the airspace over the Diked Lagoon.
22. At 05:39 one individual was observed to call from the airspace over the Primary Lagoon. At 05:43 presumably a different individual was observed to call from the airspace over the bermed area and Diked Lagoon. Around 05:47 and 08:32 presumably a different individual was observed to call from the airspace over the Diked Lagoon. At 06:02 presumably the same two individuals were observed to aerially forage for flying insects over the north end of the Secondary Lagoon at an estimated height of approximately 15-40 feet above ground surface. At 06:04 presumably the same two individuals were observed to rest and to call on the wire over the north end of the Secondary Lagoon. At 08:11 presumably one of the same individuals was observed to aerially forage for flying insects over the south end of the Secondary Lagoon. At 08:28 presumably one of the same individuals was observed to call from the airspace over the north end of the Secondary Lagoon. At 14:54 one individual was observed to rest on the wire over the north end of the Secondary Lagoon. The individuals at the Secondary Lagoon were viewed through binoculars albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on any of these individuals. It should be noted that oil would likely have been apparent on the birds due to the pale gray breast, whitish belly, and white undertail coverts which are characteristic of this species.
23. Around 08:17 one individual was observed to aerially forage for flying insects over the plain south of the Primary Lagoon at an estimated height of approximately 8-12 feet above ground surface. At 13:10 presumably a different individual was observed to aerially forage for flying insects as it flew south over the Sludge Ponds at an estimated height of approximately 100 feet above ground surface. At 13:58 a group of three individuals was observed to aerially forage for flying insects over the West Sludge Pond at an estimated height of approximately 3-12 feet above the water surface. Around 19:59 one individual was observed to call from the airspace over the Diked Lagoon. All of the individuals seen were adults. These individuals were viewed through the naked eye and binoculars at relatively close range, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on any of these individuals. It should be noted that any oil would likely have been apparent due to the off-white to orange-beige breast, belly, and undertail and wing coverts which characterize the adult plumage of this species.
24. Many of the observations, particularly those made before sunrise and sunset, were of individuals singing and calling. Only sight observations are presented below. At 05:33 one individual was observed to call from the grass at the top of the southwest bank of the Primary Lagoon. Around 06:24 one individual was observed to forage in the grass south of the East Sludge Pond near the south perimeter fence. At 06:58 one individual was observed to call and to flush, due to the approach of the wildlife specialist, from the lower slope of the southeast bank of the Secondary Lagoon approximately 65 feet south of the east end of the north diagonal boom. This bird was observed to fly west-southwest at an estimated height of approximately 8-10 feet above the water surface. At 07:45 five individuals were observed to forage in the short, recently mown grass of the plain west of the Primary Lagoon. Around 08:32 one individual was observed to forage in the grass at the top of the west central bank of the Secondary Lagoon approximately 20 feet north of the propane cannon. Around 08:42 and 08:48 one individual was observed to sing from a tree in the bermed area proper. At 09:25 one individual was observed to fly east over the south end of the Secondary Lagoon at an estimated height of approximately 2-4 feet above the water surface. Seconds later a second individual- likely the mate- flew east over the Secondary

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Lagoon. This bird did not appear to land, but the first bird was observed to land on the Mylar ribbon cable at the top of the southeast bank of the Secondary Lagoon approximately 36 feet south of Station No. 2, and approximately 5 feet from the wildlife specialist, and to immediately sing. At 10:41 four individuals were observed to forage in the grass of the plain west of the Primary Lagoon. Around 10:49, and 20:23 three individuals were observed to forage in the grass of the plain west of the Primary Lagoon. Around 10:58 two individuals were observed to forage in the grass of the plain south of the East Sludge Pond. Around 11:05 one individual was observed to forage in the grass at the top of the west central bank of the Secondary Lagoon approximately 35 feet north of the propane cannon. At 13:18 one individual was observed to flush, due to the approach of the wildlife specialist, from the middle slope of the northwest bank of the East Sludge Pond under the net. This individual was observed to fly south under the net to the west central bank of the East Sludge Pond at the water's edge under the net, where it was observed to forage. Around 18:59 one individual was observed to rest on the wire adjacent to the utility pole atop the southwest bank of the Secondary Lagoon. Many of these individuals were viewed through the naked eye and/or binoculars at close range. No evidence of oil or discoloration, or matted feathers was observed on any of these individuals. It should be noted that oil would likely have been apparent on these birds, due to the yellow bill, orangish breast and belly, white undertail coverts and white tail spots which are characteristic of the plumage of this species.

25. Not a protected migratory bird.
26. Individuals were first heard vocalizing from a starling-blackbird night roost in the bermed area around 05:47 when approximately 50 birds were observed. At 06:04 a group of 6 individuals were observed to fly southeast over the bermed area and Secondary Lagoon at an estimated height of approximately 120-150 feet above ground surface. Around 08:48 one individual was observed to call from the airspace over the bermed area. Around 08:55 one individual was observed to fly southeast over the bermed area at an estimated height of approximately 80 feet above ground surface. At 10:18 two individuals were observed to fly south over the Secondary Lagoon at an estimated height of approximately 80-100 feet above ground surface. At 10:28 one individual was observed to fly south over the Diked Lagoon and Secondary Lagoon at an estimated height of approximately 80-100 feet above ground surface. Around 11:05 one individual was observed to fly over the Secondary Lagoon. Around 11:14 three individuals were observed to forage in the grass of the plain south of the East Sludge Pond. At 13:54 one individual was observed to fly east over the Sludge Ponds at an estimated height of approximately 50 feet above ground surface. At 14:58 one individual was observed to fly northeast over the Secondary Lagoon at an estimated height of approximately 80-100 feet above ground surface. Around 20:07 two individuals were observed to fly west over the bermed area and Diked Lagoon.
27. Around 07:26 one individual was observed to sing from the bermed area. Around 08:32 and 08:48 presumably a different individual was observed to sing from the bermed area. Around 09:56 presumably a third individual was observed to sing from the bermed area. Around 10:30 two individuals were observed to sing from the bermed area. Around 11:05 one individual was observed to call and to fly west over the south end of the Secondary Lagoon at an estimated height of approximately 5-8 feet above ground surface. Around 19:19 one individual was observed to sing from the bermed area. Around 20:07 two individuals were observed to sing from the bermed area. Around 21:06 one individual was observed to sing from the bermed area. Only the individual flying over the Secondary Lagoon was actually seen. This bird was viewed at relatively close range through the naked eye under excellent light conditions. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would like have been apparent due to the bright yellow underparts, underwing coverts, and outer tail feathers which characterize the plumage of this species.

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(Continued)

28. Around 05:43, 05:47 and 10:51 one individual was observed to sing from the bermed area. Around 05:56, 08:55, 09:48, and 10:21 one individual was observed to sing from the central south outer slope of the Diked Lagoon. Around 07:26 one individual was observed to sing from the dogleg of the bermed area. At 08:28 presumably a different individual was observed to sing from the toe of the south end of the east outer slope of the Diked Lagoon. Around 19:19, 19:59, and 20:07 presumably a different individual was observed to sing from the bermed area.
29. Around 05:47 an estimated 50 individuals were vocalizing from a starling-blackbird night roost in the bermed area. Throughout the day, up to approximately 9 to 18 individuals were observed singing and calling from mostly the *Phragmites* and *Typha* in the bermed area. In addition, at several times during the day, including 19:49, one individual was observed to vocalize from the southeast bank of the Secondary Lagoon approximately 30 feet north of Station No. 2. Only sight observations of birds proximal to treatment ponds and lagoons are presented below. Around 06:40 one male was observed to call from atop the Primary Lagoon fence near the southeast corner. At 06:52 one male was observed to fly after and to harass a Great Blue Heron flying north over the center of the Secondary Lagoon. Around 07:15 two males were observed to fight on the ground at the top of the west central bank of the Diked Lagoon. Around 07:26 one individual was observed to fly over the Diked Lagoon. Around 07:54 one male was observed to fly north over the plain west of the Primary Lagoon at an estimated height of approximately 80-100 feet above ground surface. At 08:24 one individual was observed to call from a tree along the east perimeter fence opposite the southeast bank of the Secondary Lagoon. Around 08:32 one individual was observed to fly north over the Diked Lagoon at an estimated height of approximately 20 feet above the water surface. At 09:35 one male was observed to fly west over the south bank of the Primary Lagoon at an estimated height of approximately 4-8 feet above ground surface. Around 10:58 one individual was observed to forage in the grass adjacent to the east perimeter fence south of the southeast gate opposite the East Sludge Pond. Around 11:27 two males were observed to rest on the support cable for the netting over the north end of the Primary Lagoon- one towards the west end and one towards the east end.. At the same time one female was observed to fly north over the north end of the Primary Lagoon, apparently under the net. The bird was observed to fly up and exit the net at the west end. At 18:36 one male was observed to call from the light atop the utility pole at the top of the southwest bank of the Secondary Lagoon. Around 19:59 and 20:07 one individual was observed to call from a tree on the east outer slope of the Diked Lagoon. Around 20:07 one male was observed to fly west over the Diked Lagoon at an estimated height of approximately 3-4 feet above the water surface. Many of the males observed were prominently displaying their scarlet shoulder patches. No evidence of oil or discoloration, or matted feathers was observed on these males. It should be noted that oil would likely have been apparent on these birds due to the bright red shoulder patch and light yellowish trailing edge of the patch which characterizes the male plumage of this species.
30. Around 05:47 an estimated 20 individuals were observed to vocalize from a starling-blackbird night roost in the bermed area. Throughout most of the day, up to approximately 10 to 12 individuals were observed to call mostly from the dogleg of the bermed area. Only sight observations of birds proximal to treatment ponds and lagoons are presented below. At 07:09 one individual was observed to fly south over the Secondary Lagoon at an estimated height of approximately 60-80 feet above the water surface. At 07:25 one individual was observed to fly west over the north bank of the Diked Lagoon at an estimated height of approximately 15-20 feet above ground surface. At 07:32 one individual was observed to fly west over the Diked Lagoon at an estimated height of approximately 15-20 feet above ground surface. At 08:11 one individual was observed to call from the light atop the utility pole at the top of the southwest bank of the Secondary Lagoon. At 08:28 one individual was observed to fly southwest over the north end of the Secondary Lagoon. Around 08:32 one individual was observed to fly northwest over the Diked Lagoon at an estimated height of approximately 15 feet above the water surface. Around 08:42 one individual was observed to fly northeast over the Diked Lagoon and bermed area at an estimated height of approximately 15 feet above the water surface. Around 11:14 one male was

SCHAEFER ROAD WASTEWATER TREATMENT PLANT
BIRD SURVEY RESULTS
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NOTES

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observed to fly west under the net at the East Sludge Pond, and to land on the lower slope of the east central bank of the pond under the net. The bird was then observed to forage along the east shoreline of the East Sludge Pond. The bird's bill was observed to be crammed full of dragonflies, which the bird apparently was gathering once they emerged. Approximately 30 seconds later the bird was observed to fly west and to briefly land on the discharge pipe under the net. The bird was then observed to fly up and to hit the underside of the net, and then to fly to the lower slope of the west bank where it continued to forage at the water's edge, making almost a complete circuit around the East Sludge Pond. Around 11:35 presumably the same male was observed still foraging for dragonflies at the water's edge of the East Sludge Pond under the net. The bird's bill again was observed to be filled with dragonflies. The male was observed to stand in the water once or twice at the east central side, gleaning emerging dragonflies. The bird disappeared around 11:40 presumably flying out from under the net. At 11:46 one individual was observed to fly southeast over Station No. 1 and the East Sludge Pond and to land atop the east central side of the net over the East Sludge Pond. Within a second of landing the bird was observed to hop and fly in short forays for several seconds, apparently foraging, atop the net. The bird was observed to continue to the south central side of the net, and then to drop down through the net, and to fly a short distance to the water's edge at the south central side of the pond under the net. The bird was then observed to forage at the water's edge moving west along the perimeter of the pond. At 13:18 presumably the same individual was observed to forage on the lower slope of the northeast bank of the East Sludge Pond under the net, its bill filled with dragonflies. Seconds later the bird was observed to climb up the northeast bank and to fly out from under the net at the northeast corner. An 8 x 12 inch hole in the net was subsequently found here. At 13:35 a different individual, possibly a female, was observed to fly southwest over the east side of the East Sludge Pond and to land on the south central bank of the East Sludge Pond at the edge of the net. Several seconds later the bird was observed to walk onto the net and to fly a short distance and to land on the net, apparently foraging for insects. As soon as the bird landed on the net it was observed to momentarily get its foot tangled in the net. After freeing itself, the bird was observed to fly off the net and to forage in the grass southeast of the East Sludge Pond. At 14:54 one individual was observed to rest on the electrical wire over the north end of the Secondary Lagoon. Around 19:43 one individual was observed to fly east over the east perimeter fence opposite the East Sludge Pond. The male foraging under the net was viewed at close to relatively close range through both the naked eye and binoculars. No matting of plumage was observed on this bird.

31. At 07:45 one individual was observed to call from the airspace over the Primary Lagoon.
32. At 05:43 and around 07:15 one individual was observed to sing from the bermed area proper. At the same time a second individual, a male, was observed to fly north over the Diked Lagoon at an estimated height of approximately 15-20 feet above the water surface. Around 08:48, 10:21, 10:30, and 19:59 one individual was observed to sing from the bermed area. Around 09:56 two individuals were observed to call from the bermed area. Around 19:12 and 19:19 two individuals were observed to sing from the bermed area. Only one individual was seen, the male flying over the Diked Lagoon. This bird was viewed only through the naked eye at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that oil would likely have been apparent on this individual due to the white wing bars, white edges of the secondaries, and the bright orange breast, belly vent, and corners of the tail which characterize the alternate plumage of the male of this species.
33. At 07:03 two individuals were observed to call from the airspace over the Secondary Lagoon. At 07:11 one individual was observed to call from the airspace over the Secondary Lagoon. Around 08:02 one individual was observed to fly south-southwest over the south end of the Secondary Lagoon and to land atop the west perimeter fence near the West Sludge Pond. At 08:24 one male was observed to fly east over the east bank of the Secondary Lagoon and the lagoon itself at an estimated height of approximately 6-8 feet above ground

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surface. Around 08:32 two individuals were observed to call and to fly northeast over the Diked Lagoon. Around 08:55 one individual was observed to call from the airspace over the Diked Lagoon. At 09:23 one individual was observed to call from the airspace over the south end of the Secondary Lagoon and the clarifiers. Around 09:56 one individual was observed to call from the airspace over the bermed area. Around 10:08 one individual was observed to call from the airspace over the Secondary Lagoon. At 10:21 one individual was observed to call from the airspace over the Diked Lagoon. Around 10:49 two individuals were observed to call from the airspace over the Primary Lagoon. At 13:32 one individual was observed to call and to fly east over the Sludge Ponds. At 15:13 one individual was observed to call from the airspace over the Diked Lagoon and bermed area.

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1	Type: feather	Species: CANADA GOOSE	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input checked="" type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of northeast bank of the East Sludge Pond, approximately 15 feet south of northeast corner of the East Sludge Pond and approximately 1 foot east of guardrail			Status: NA		From 1 individual(s)	
Photo #: 3 Sizing Basis: inch ruler			Based on: NA		Behavior: unknown	
Additional Sign Present: none			Note: Contour, possibly breast feather. Gray with black patch near tip.			
2	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 4	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of south bank of the East Sludge Pond, approximately 5 feet southeast of deck of control gate			Status: NA		From 1 individual(s)	
Photo #: 4 Sizing Basis: inch ruler			Based on: NA		Behavior: standing	
Additional Sign Present: none			Note:			
3	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of control gate, under net			Status: NA		From 1 individual(s)	
Photo #: 5 Sizing Basis: none – location under net			Based on: NA		Behavior: standing	
Additional Sign Present: none			Note:			
4	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: ~6	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: on control gate lying on ground at the top of north central bank of the East Sludge Pond opposite control gate station			Status: NA		From 1 individual(s)	
Photo #: none Sizing Basis: NA			Based on: NA		Behavior: standing	
Additional Sign Present: none			Note:			
5	Type: nest	Species: EASTERN COTTONTAIL	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: mid-slope of southwest bank of the Secondary Lagoon, approximately 15 feet west of OMI mop tray and 12 feet from water's edge			Status: probably recently vacated		From NA individual(s)	
Photo #: 6, 7 Sizing Basis: none			Based on: flies present		Behavior: NA	
Additional Sign Present: none			Note: Approximately 12 flies around nest. No dead animal found despite slight smell of decay. Nest not excavated.			

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ANIMAL SIGN OBSERVED

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6	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From NA individual(s)
Location: approximately 6-8 feet southwest of belt skimmer at the top of the bank near southeast corner of Secondary Lagoon			Status: probably inactive		Based on: no apparent modification of entrances	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
7	Type: dropping	Species: RED-WINGED BLACKBIRD	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: top of guardrail at Station No. 2, approximately 2 feet from north end			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: standing	
Additional Sign Present: none			Note:			
8	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From NA individual(s)
Location: mid-slope of east central bank of Secondary Lagoon, approximately 20 feet northeast of east end of north diagonal boom			Status: probably inactive		Based on: vegetation growing at entrance	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
9	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From NA individual(s)
Location: under southwest foundation of pumphouse at top of northeast bank of Secondary Lagoon			Status: probably active		Based on: Woodchuck observed at burrow entrance at concrete slab once during September 2011 survey.	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
10	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From NA individual(s)
Location: mid-slope of northeast bank of Primary Lagoon, approximately 15 feet northwest of utility pole			Status: active		Based on: entrance modified since last survey	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note: More excavated soil at opening.			

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ANIMAL SIGN OBSERVED

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11	Type: scat	Species: CANADA GOOSE	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of west central bank of the Primary Lagoon, approximately 40 feet northeast of TVT bridge			Status: NA		From 1 individual(s)	
Photo #: 10			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note:		Behavior: standing	
12	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: east end of TVT bridge and ground at same			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:		Behavior: standing	
13	Type: dropping	Species: EUROPEAN STARLING	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: ~8	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: geotextile on east bank of the Primary Lagoon, approximately 4-6 feet south of TVT bridge			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:		Behavior: standing	
14	Type: track	Species: GREAT BLUE HERON	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 10	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of south weir at south end of Primary Lagoon, approximately 4-6 feet east of west end			Status: NA		From 1 individual(s)	
Photo #: 11			Sizing Basis: none		Based on: NA	
Additional Sign Present: none			Note:		Behavior: standing	
15	Type: track	Species: SPOTTED SANDPIPER	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 18	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of baffle, approximately 2 feet east of west end			Status: NA		From 1 individual(s)	
Photo #: 11, 12			Sizing Basis: none		Based on: NA	
Additional Sign Present: none			Note:		Behavior: walking	

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16	Type: dropping	Species: SPOTTED SANDPIPER	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: ground at lower slope of northwest Primary Lagoon, approximately 8 feet south of hoist			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note: Approximately 1 foot west of geotextile. Individual observed nearby during survey.			
17	Type: dropping	Species: RED-WINGED BLACKBIRD	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of steel headwall, approximately 5 feet northeast of skimmer at junction of north and south diagonal booms			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:			
18	Type: dropping	Species: RED-WINGED BLACKBIRD	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of steel headwall, approximately 6 feet southwest of skimmer at junction of north and south diagonal booms			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note: Splatter pattern.			
19	Type: track	Species: KILLDEER	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 8	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: east side of west road to Diked Lagoon, approximately 25 feet north of south end of dogleg of bermed area			Status: NA		From individual(s)	
Photo #: 16			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note: Impressions in dirt.			
20	Type: track	Species: CANADA GOOSE	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: ~6	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: east side of west road to Diked Lagoon, approximately 25 feet north of south end of dogleg of bermed area			Status: NA		From individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:			

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21	Type: track	Species: CANADA GOOSE	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: ~20	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1-2 individual(s)
Location: in dirt on east side of road west of the Diked Lagoon, approximately 30-40 feet northwest of southwest corner of Diked Lagoon			Status: NA		Based on: NA	
Photo #: none Sizing Basis: NA			Note:		Behavior: walking	
Additional Sign Present: none						
22	Type: scat	Species: RED FOX	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: south end of plain south of the Primary Lagoon			Status: NA		Based on: NA	
Photo #: 17 Sizing Basis: inch ruler			Note:		Behavior: unknown	
Additional Sign Present: none						
23	Type: scat	Species: RED FOX	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: ~2	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: near south end of plain west of the Primary Lagoon			Status: NA		Based on: NA	
Photo #: none Sizing Basis: NA			Note:		Behavior: unknown	
Additional Sign Present: none						
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From individual(s)
Location:			Status:		Based on:	
Photo #: Sizing Basis:			Note:		Behavior:	
Additional Sign Present:						
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From individual(s)
Location:			Status:		Based on:	
Photo #: Sizing Basis:			Note:		Behavior:	
Additional Sign Present:						

APPENDIX B

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

May 1 to May 31, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
124	2	2	0	Near Primary Lagoon, near diked Lagoon, near Secondary Lagoon, and on Gravel Road	6	Overflew birds flew away and then come back or flew to another pond after horn blasts.

*During dawn and dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	31 days	31 days	Killdeers	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012								
5/1	7:00 AM	N	N	N	N	0	N	RC
5/1	9:00 AM	N	N	N	N	0	N	RC
5/1	1:00 PM	N	N	N	N	0	N	RC
5/1	7:00 PM	N	N	N	N	0	N	RC
5/2	7:00 AM	N	N	N	N	0	N	RC
5/2	9:00 AM	N	N	N	N	0	N	RC
5/2	1:00 PM	N	N	N	N	0	N	RC
5/2	7:00 PM	N	N	N	N	0	N	RC
5/3	7:00 AM	N	N	N	N	0	N	RC
5/3	9:00 AM	N	N	N	N	0	N	RC
5/3	1:00 PM	N	N	N	N	0	N	RC
5/3	7:00 PM	N	N	N	N	0	N	RC
5/4	7:00 AM	N	N	N	N	0	N	RC
5/4	9:00 AM	N	N	N	N	0	N	RC
5/4	1:00 PM	N	N	N	N	0	N	RC
5/4	9:00 PM	KILLDEER	Y	N	ALL	4	No EFFECT	ST
5/5	2:00 AM	KILLDEER	Y	N	P	2	No EFFECT	ST
5/5	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
5/5	1:00 PM	N	N	N	N	0	N	RC
5/5	9:00 PM	N	N	N	N	0	N	RC
5/6	6:00 AM	N	N	N	N	0	N	RC
5/6	9:00 AM	N	N	N	N	0	N	RC
5/6	1:00 PM	N	N	N	N	0	N	RC
5/6	9:00 PM	N	N	N	N	0	N	RC
5/7	6:00 AM	N	N	N	N	0	N	RC
5/7	9:00 AM	N	N	N	N	0	N	RC
5/7	1:00 PM	N	N	N	N	0	N	RC
5/7	9:00 PM	N	N	N	N	0	N	RC
5/8	6:00 AM	N	N	N	N	0	N	RC
5/8	9:00 AM	N	N	N	N	0	N	RC
5/8	1:00 PM	N	N	N	N	0	N	RC
5/8	9:00 PM	N	N	N	N	0	N	RC
5/9	7:00 AM	N	N	N	N	0	N	RC
5/9	9:00 AM	N	N	N	N	0	N	RC
5/9	1:00 PM	N	N	N	N	0	N	RC
5/9	9:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
5/10	7:00 AM	N	N	N	N	0	N	RC
5/10	9:00 AM	N	N	N	N	0	N	RC
5/10	1:00 PM	N	N	N	N	0	N	RC
5/10	7:00 PM	N	N	N	N	0	N	RC
5/11	7:00 AM	N	N	N	N	0	N	RC
5/11	9:00 AM	N	N	N	N	0	N	RC
5/11	1:00 PM	N	N	N	N	0	N	RC
5/11	7:00 PM	N	N	N	N	0	N	RC
5/12	7:00 AM	N	N	N	N	0	N	RC
5/12	9:00 AM	N	N	N	N	0	N	RC
5/12	1:00 PM	N	N	N	N	0	N	RC
5/12	7:00 PM	N	N	N	N	0	N	RC
5/13	6:00 AM	N	N	N	N	0	N	RC
5/13	9:00 AM	N	N	N	N	0	N	RC
5/13	1:00 PM	N	N	N	N	0	N	RC
5/13	9:00 PM	N	N	N	N	0	N	RC
5/14	6:00 AM	N	N	N	N	0	N	RC
5/14	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP L03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
5/14	1:00 PM	N	N	N	N	0	N	RC
5/14	9:00 PM	N	N	N	N	0	N	RC
5/15	6:00 AM	N	N	N	N	0	N	RC
5/15	9:00 AM	N	N	N	N	0	N	RC
5/15	1:00 PM	N	N	N	N	0	N	RC
5/15	9:30 PM	N	N	N	N	0	N	RC
5/16	6:00 AM	N	N	N	N	0	N	RC
5/16	9:00 AM	N	N	N	N	0	N	RC
5/16	1:00 PM	N	N	N	N	0	N	RC
5/16	9:00 PM	N	N	N	N	0	N	RC
5/17	7:00 AM	N	N	N	N	0	N	RC
5/17	9:00 AM	N	N	N	N	0	N	RC
5/17	1:00 PM	N	N	N	N	0	N	RC
5/17	7:00 PM	N	N	N	N	0	N	RC
5/18	7:00 AM	N	N	N	N	0	N	RC
5/18	9:00 AM	N	N	N	N	0	N	RC
5/18	1:00 PM	N	N	N	N	0	N	RC
5/18	7:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
5/19	7:00 AM	N	N	N	N	0	N	RC
5/19	9:00 AM	N	N	N	N	0	N	RC
5/19	1:00 PM	N	N	N	N	0	N	RC
5/19	7:00 PM	N	N	N	N	0	N	RC
5/20	7:00 AM	N	N	N	N	0	N	RC
5/20	9:00 AM	N	N	N	N	0	N	RC
5/20	1:00 PM	N	N	N	N	0	N	RC
5/20	7:00 PM	N	N	N	N	0	N	RC
5/21	6:00 AM	N	N	N	N	0	N	H
5/21	9:00 AM	N	N	N	N	0	N	RC
5/21	1:00 PM	N	N	N	N	0	N	RC
5/21	9:30 PM	N	N	N	N	0	N	RC
5/22	6:00 AM	N	N	N	N	0	N	RC
5/22	9:00 AM	N	N	N	N	0	N	RC
5/22	1:00 PM	N	N	N	N	0	N	RC
5/22	9:30 PM	N	N	N	N	0	N	RC
5/23	6:00 AM	N	N	N	N	0	N	RC
5/23	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
5/23	1:00 PM	N	N	N	N	0	N	RC
5/23	9:30 PM	N	N	N	N	0	N	ST
5/24	6:00 AM	N	N	N	N	0	N	ST
5/24	9:00 AM	N	N	N	N	0	N	RC
5/24	1:00 PM	N	N	N	N	0	N	RC
5/24	4:00 PM	N	N	N	N	0	N	RC
5/25	7:00 AM	N	N	N	N	0	N	RC
5/25	9:00 AM	N	N	N	N	0	N	RC
5/25	1:00 PM	N	N	N	N	0	N	RC
5/25	7:00 PM	N	N	N	N	0	N	RC
5/26	6:00 AM	N	N	N	N	0	N	ST
5/26	9:00 AM	N	N	N	N	0	N	ST
5/26	1:00 PM	N	N	N	N	0	N	ST
5/26	7:00 PM	N	N	N	N	0	N	ST
5/27	6:00 AM	N	N	N	N	0	N	ST
5/27	9:00 AM	N	N	N	N	0	N	ST
5/27	1:00 PM	N	N	N	N	0	N	ST
5/27	7:00 PM	N	N	N	N	0	N	ST

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

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SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
5/28	7:00 AM	N	N	N	N	0	N	RC
5/28	9:00 AM	N	N	N	N	0	N	RC
5/28	1:00 PM	N	N	N	N	0	N	RC
5/28	7:00 PM	N	N	N	N	0	N	RC
5/29	6:00 AM	N	N	N	N	0	N	RC
5/29	9:00 AM	N	N	N	N	0	N	RC
5/29	1:00 PM	N	N	N	N	0	N	RC
5/29	9:30 PM	N	N	N	N	0	N	RC
5/30	6:00 AM	N	N	N	N	0	N	RC
5/30	9:00 AM	N	N	N	N	0	N	RC
5/30	1:00 PM	N	N	N	N	0	N	RC
5/30	9:30 PM	N	N	N	N	0	N	RC
5/31	6:00 AM	N	N	N	N	0	N	RC
5/31	9:00 AM	N	N	N	N	0	N	RC
5/31	1:00 PM	N	N	N	N	0	N	RC
5/31	9:30 PM	N	N	N	N	0	N	RC
X								
X								

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
5/1	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
5/1	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/2	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
5/2	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/3	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
5/3	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/4	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 5/4	7:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	KILLDEER	N	N	
5/5	6:00 AM	N	N	Y	Y	KILLDEER	N	N	JH
	9:00 PM	N	N	Y	Y	N	N	N	
5/5	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/6	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	
5/6	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/7	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	
5/7	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 5/8	6:00 AM	N	N	Y	Y	N	N	N	[Signature]
	9:00 PM	N	N	Y	Y	N	N	N	
5/8	7:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/9	7:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	
5/9	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
5/10	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
5/10	9:00 AM	N	N	X	X	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
5/11	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
- ² "No" (N) entry requires notification of Plant Supervisor as soon as possible.
- ³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
5/11	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
5/12	7:00 AM	N	N	Y	Y	N	N	N	RC
	2:00 PM	N	N	Y	X	N	N	N	RC
5/12	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
5/13	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	RC
5/13	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
5/14	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	RC
5/14	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
5/15	6:00 AM	N	N	Y	Y	N	N	N	H
	9:30 PM	N	N	Y	Y	N	N	N	
5/15	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/16	6:00 AM	N	N	Y	Y	N	N	N	H
	9:00 PM	N	N	Y	Y	N	N	N	
5/16	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/17	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
5/17	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/18	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
- ² "No" (N) entry requires notification of Plant Supervisor as soon as possible.
- ³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
5/18	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/19	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
5/19	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/20	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
5/20	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/21	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:30 PM	N	N	Y	Y	N	N	N	
5/21	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
- ² "No" (N) entry requires notification of Plant Supervisor as soon as possible.
- ³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
5/22	6:00 AM	N	N	Y	Y	N	N	N	RC
	4:30 PM	N	N	Y	Y	N	N	N	
5/22	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/23	6:00 AM	N	N	Y	Y	N	N	N	RC
	4:30 PM	N	N	Y	Y	N	N	N	
5/23	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/24	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	N	
5/24	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
5/25	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ¹)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
20/2									
5/25	9:00 AM	N	N	Y	Y	N	N		SC
	1:00 PM	N	N	Y	Y	N	N		
5/26	6:00 AM	N	N	Y	Y	N	N		SC
	7:00 PM	N	N	Y	Y	N	N		
5/26	9:00 AM	N	N	Y	Y	N	N		SC
	1:00 PM	N	N	Y	Y	N	N		
5/27	6:00 AM	N	N	Y	Y	N	N		SC
	7:00 PM	N	N	Y	Y	N	N		
5/27	9:00 AM	N	N	Y	Y	N	N		SC
	1:00 PM	N	N	Y	Y	N	N		
5/28	7:00 AM	N	N	Y	Y	N	N		SC
	7:00 PM	N	N	Y	Y	N	N		
5/28	9:00 AM	N	N	Y	Y	N	N		SC
	1:00 PM	N	N	Y	Y	N	N		

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

qlwcel-ouge-Srwwtp oil management insp log sheet

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
5	6:00 AM	N	N	Y	Y	N	N	N	HT
29	9:30 PM	N	N	Y	Y	N	N	N	HT
5	9:00 AM	N	N	Y	Y	N	N	N	RC
29	1:00 PM	N	N	Y	Y	N	N	N	RC
5	6:00 AM	N	N	Y	Y	N	N	N	RC
30	9:00 PM	N	N	Y	Y	N	N	N	HT
5	9:00 AM	N	N	Y	Y	N	N	N	HT
30	1:00 PM	N	N	Y	Y	N	N	N	RC
5	6:00 AM	N	N	Y	Y	N	N	N	RC
31	9:30 PM	N	N	Y	Y	N	N	N	HT
5	9:00 AM	N	N	Y	Y	N	N	N	HT
31	1:00 PM	N	N	Y	Y	N	N	N	RC
	AM								
	PM								

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

q:\excel\range\srwwtp oil management insp log sheet

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
5/1	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
5/1	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/2	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
5/2	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/3	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
5/3	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/4	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
5/4	7:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	ST
5/5	6:00 AM	N	N	N	N	Y	NA	ST
	9:00 PM	N	N	N	N	Y	NA	ST
5/5	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/6	6:00 AM	N	N	N	N	Y	NA	ST
	9:00 PM	N	N	N	N	Y	NA	ST
5/6	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/7	6:00 AM	N	N	N	N	Y	NA	ST
	9:00 PM	N	N	N	N	Y	NA	ST
5/7	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2002								
5/8	6:00 AM	N	N	N	N	Y	NA	ST
	9:00 PM	N	N	N	N	Y	NA	RC
5/8	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/9	7:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
5/9	9:00 AM	N	N	N	N	Y	NA	ST
	1:00 PM	N	N	N	N	Y	NA	ST
5/10	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
5/10	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/11	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

g:\excel-rouge\srwwtp oil management insp. log sheet

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
5/11/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/12/12	7:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/12/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/13/12	6:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
5/13/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/14/12	6:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
5/14/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
5/15	6:00 AM	N	N	N	N	Y	NA	ST
	9:30 PM	N	N	N	N	Y	NA	ST
5/15	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/16	6:00 AM	N	N	N	N	Y	NA	ST
	9:00 PM	N	N	N	N	Y	NA	RC
5/16	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/17	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
5/17	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/18	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
5/18	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
5/19	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	SC
5/19	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
5/20	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	SC
5/20	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
5/21	7:00 AM	N	N	N	N	Y	NA	SC
	9:30 PM	N	N	N	N	Y	NA	SC
5/21	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
5/22	6:00 AM	N	N	N	N	Y	NA	JH
	9:30 PM	N	N	N	N	Y	NA	JH
5/22	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/23	6:00 AM	N	N	N	N	Y	NA	JH
	9:30 PM	N	N	N	N	Y	NA	JH
5/23	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/24	6:00 AM	N	N	N	N	Y	NA	JH
	9:00 PM	N	N	N	N	Y	NA	RC
5/24	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/25	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
5/25	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	
5/26	6:00 AM	N	N	N	N	Y	NA	SC
	7:00 PM	N	N	N	N	Y	NA	
5/26	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	
5/27	6:00 AM	N	N	N	N	Y	NA	SC
	7:00 PM	N	N	N	N	Y	NA	
5/27	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	
5/28	7:00 AM	N	N	N	N	Y	NA	SC
	7:00 PM	N	N	N	N	Y	NA	
5/28	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
5/29	6:00 AM	N	N	N	N	Y	NA	ST
	9:30 PM	N	N	N	N	Y	NA	ST
5/29	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/30	6:00 AM	N	N	N	N	Y	NA	ST
	9:30 PM	N	N	N	N	Y	NA	ST
5/30	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
5/31	6:00 AM	N	N	N	N	Y	NA	ST
	9:30 PM	N	N	N	N	Y	NA	ST
5/31	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
X	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

APPENDIX C

Oil Hauling Manifests

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MID067736431	2. Page 1 of 1	3. Emergency Response Phone 734-595-0800	4. Manifest Tracking Number 001604697 GBF
5. Generator's Name and Mailing Address Special North America 3001 Miller Road Des Moines, MI 48121 USA Generator's Phone: 313-594-7109			Generator's Site Address (if different than mailing address)		
6. Transporter 1 Company Name THEE HORSE ENVIRONMENTAL SVS LLC			U.S. EPA ID Number MIR000036483		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address ENVIRO SOLIDS, LLC 6011 WYOMING AVENUE DEARBORN, MI 48126 USA Facility's Phone: 313-562-9032			U.S. EPA ID Number MID002191471		
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity
			No.	Type	12. Unit Wt./Vol.
		1. WWT-Used Oil from Water Treatment	001	TT	9000
		2.			
		3.			
		4.			
13. Waste Codes 021L					
14. Special Handling Instructions and Additional Information 9b - 1) Approval #7251					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Offor's Printed/Typed Name Ken Trieb			Signature Ken Trieb		Month Day Year 4 23 12
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Transporter signature (for exports only): Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Kerry F. Throckm			Signature Kerry F. Throckm		Month Day Year 4 23 12
Transporter 2 Printed/Typed Name			Signature		Month Day Year
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number					
Facility's Phone:					
18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
1. 1050		2.		3.	
4.		5.		6.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a					
Printed/Typed Name Kathryn M. D. Hovell			Signature Kathryn M. D. Hovell		Month Day Year 4 23 12

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MEXX778431	2. Page 1 of 1	3. Emergency Response Phone 714-555-0000	4. Manifest Tracking Number 001604696 GBF	
5. Generator's Name and Mailing Address SOUTHERN NORTH AVENUE 3001 MILLER ROAD DEARBORN, MI 48121 USA Generator's Phone: 313-562-0000			Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name THES HOPE ENVIRONMENTAL SVS LLC			U.S. EPA ID Number MEXX778431			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address ENVIRONMENTAL SVS, LLC 3011 WYOMING AVENUE DEARBORN, MI 48126 USA Facility's Phone: 313-562-0000			U.S. EPA ID Number MEXX84131471			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	WWT-Used Oil from Water Treatment	001	TT	3000	9	021L
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information SD-1 Approval #7351						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offoror's Printed/Typed Name Leon Trench		Signature <i>Leon Trench</i>			Month Day Year 4 25 12	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Randy E. Tackett		Signature <i>Randy E. Tackett</i>			Month Day Year 4 25 12	
Transporter 2 Printed/Typed Name		Signature			Month Day Year	
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator)			Manifest Reference Number: U.S. EPA ID Number			
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)					Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H450		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name KATHLEEN DITORSKY		Signature <i>Kathleen Ditorsky</i>			Month Day Year 4 25 12	

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MID067730431	2. Page 1 of	3. Emergency Response Phone 734-565-0300	4. Manifest Tracking Number 001382699 GBF	
5. Generator's Name and Mailing Address Severini North America 3001 Miller Road Dearborn, MI 48121 USA Generator's Phone: 313-504-1294		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name THE HOPKINS ENVIRONMENTAL S/O LLC		U.S. EPA ID Number MID001035463				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address ENVIROBOLDS, LLC 5011 WYOMING AVENUE DEARBORN, MI 48126 USA Facility's Phone: 313-502-2032		U.S. EPA ID Number MID064191471				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
1.	Used Oil from waste water treatment	001	TT	4000	8	02YL
2.						
3.						
4.						
Special Handling Instructions and Additional Information 7351						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name LAN TRIATH		Signature [Signature]		Month Day Year 4 25 12		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Barry E Tackett		Signature [Signature]		Month Day Year 4 25 12		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
18b. Alternate Facility (or Generator)		Manifest Reference Number: U.S. EPA ID Number				
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)		Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name KATHLEEN KENOSKY		Signature [Signature]		Month Day Year 4 25 12		

UNITED STATES HAZARDOUS WASTE MANIFEST		1. Generator ID Number MID097738431	2. Page 1 of 1	3. Emergency Response Phone 734-935-0000	4. Manifest Tracking Number 001382751 GBF	
5. Generator's Name and Mailing Address General North America 1001 Miller Road Dearborn, MI 48121 USA Generator's Phone: 313-524-7378			Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name THEE NOBIE ENVIRONMENTAL S/V USA			U.S. EPA ID Number MFD00035493			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address ENVIRONOLLOS, LLC 5011 WYOMING AVENUE DEARBORN, MI 48126 USA Facility's Phone: 313-522-3032			U.S. EPA ID Number MID05413147			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
		1. WWT-Used Oil from Water Treatment	001	TT	3000	G
		2.				
		3.				
		4.				
13. Waste Codes						
Special Handling Instructions and Additional Information 00 - 1) Approval #7351						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Lan Trinh						
Signature Lan Trinh						
Month Day Year 4 23 12						
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name Ken E. Eckert					
	Signature Ken E. Eckert					
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number					
	Facility's Phone: 18c. Signature of Alternate Facility (or Generator)					
Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H050		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Kathleen Petrosky						
Signature Kathleen Petrosky						
Month Day Year 4 23 12						



MID 087738431

May 15, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: April 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The April monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the April wildlife survey report by MEC Environmental Consulting, and the operators' inspection logs. Two carcasses were found: an adult Eastern Cottontail at the top of the bank at the southeast corner of the East Sludge Pond, and a Mallard on the mid-slope of the east central bank of the Primary Lagoon approximately 75 feet north of the TVT bridge. The Mallard feathers appeared to be stained, possibly oiled. These carcasses will be discussed in a separate report.

Please contact me at (313) 845-3217 if you have questions on the information in this report.

Very truly yours,

A handwritten signature in blue ink, appearing to read "James E. Earl", written over a horizontal line.

James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDNRE
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
April 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period April 1 through April 30, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

A Wildlife Survey was conducted on April 9, 2012 and a copy of the report is provided in Appendix A. Inspection reports show seasonal activities observed in the general area, and no significant issues at the site were identified. Except, two carcasses were found: an adult Eastern Cottontail at the top of the bank at the southeast corner of the East Sludge Pond, and a Mallard on the mid-slope of the east central bank of the Primary Lagoon approximately 75 feet north of the TVT bridge. The Mallard feathers appeared to be stained, possibly oiled. These carcasses will be discussed in a separate report.

On several occasions of geese, heron, killdeer and ducks were observed using one of the treatment plant impoundments, and were scared off with the air horns. The birds flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

The summary of daily inspection findings is provided in Appendix B. Copies of the inspection reports are also provided in Appendix B. No repetitive use of the treatment ponds and lagoons was observed in the April inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in April. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures

taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.3 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in April 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In April, there were observations of Canadian geese, heron, killdeer and ducks overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix B.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of April 2012.

APPENDIX A
Wildlife Survey

MEC ENVIRONMENTAL CONSULTING

VIA COURIER

May 14, 2012

Mr. James E. Earl
Severstal Dearborn, LLC.
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

**Subject: Schaefer Road Wastewater Treatment Plant: 2012 Wildlife Survey #2
(P. N. 00330)**

Dear Jim:

I am very pleased to present the enclosed letter report for the subject project in partial fulfillment of your Purchase Order No. 592351. This survey constitutes the monthly bird survey in accordance with your Continuing Emergency Measures (CEM) Workplan in response to EPA Administrative Order Docket No. R7003-5-00-001.

The April survey was completed on Monday, April 9, 2012. A total of 45 sets of five-minute observations was made from 05:40 to 21:26 at five different stations located at significant vantage points at the Schaefer Road Wastewater Treatment Plant (SRWWTP). Observations were made at this frequency in order to ensure a complete and scientifically sound inventory, to ensure quality assurance of the data collected, and to evaluate allegations of wildlife utilization of the impoundments. Observations were both visual and aural. Visual observations were made using Swarovski EL 10 x 42 power binoculars. The location of the five stations designated by MEC Environmental Consulting, which have been used in previous surveys and will continue to be used in subsequent surveys, is presented in the first enclosed table.

Weather conditions varied over the period, and were influenced primarily by a strong low pressure system centered over southwestern Quebec, a weak low pressure system centered over the Midwest with a cold front extending west to southwest, weak high pressure systems centered over Arkansas and Kentucky, and a building high pressure system centered over the eastern Great Plains. Barometric pressure, based on radio-broadcast readings from Detroit Metro Airport, was 29.96 in.-Hg and falling at 05:00, 29.95 in.-Hg and falling at 06:00, 29.91 in.-Hg and falling at 10:00, 29.86 in.-Hg and falling at noon, 29.82 in.-Hg and steady at 20:00, and 29.84 in.-Hg and rising at 21:00. Relative humidity, also based on radio broadcast National Weather Service data, was 76% at 05:00, 79% at 06:00, 25% at 20:00, and 27% at 21:00. Sky conditions were clear to mostly clear throughout the morning, partly cloudy to mostly cloudy from noon to around 14:00, partly cloudy from 14:00 to 18:00, and then mostly clear for the duration of the period. Temperatures ranged from 40° F around 05:40, to 42° F around 06:50, to 55° F around 10:29, to 58° F around 12:09, and then to 52° F around 20:38, and to 51° F around 21:21. Winds were generally out of the west before 06:00, then

1003 AMELIA AVENUE
VOICE: (248) 585-3800

ROYAL OAK, MICHIGAN 48073-2704
meccec@comcast.net

FAX: (248) 585-8404

mostly out of the north until dawn, and then out of the northwest until around noon, and then west-northwest until mid-afternoon, and then generally out of the northwest for the remainder of the period. Wind speed gradually increased and then decreased over the period, from approximately 3-5 mph until around 08:00, to 5-10 mph until around 11:00, to 10-15 mph, with gusts to 20 mph until approximately 14:00, to 18-25 mph with gusts to 28-30 mph until around 18:00, to 15-20 mph with gusts to 25 mph until around 21:00, and then to 10-15 mph for the remainder of the period. There was a brief light shower around 13:20. A waning gibbous moon was observed high in the south sky until around dawn. Sunrise was at 07:01; sunset was at 20:08.

A total of 23 bird species was observed within the fenceline of the SRWWTP. This species total is three species lower than the 2000-2011 March mean of 26. Although the night before the survey and the day of the survey were not particularly good for bird migration because of north winds, a number of migrants were observed likely due to the high pressure systems in the South moving birds north along the line of the cold front. Given these conditions, a greater variety and number of birds than that observed was expected. However, relatively few birds were observed within the SRWWTP fenceline. This information suggests that the habitat modifications and deterrents in-place at the SRWWTP are effective.

One non-human mammalian species was observed during the survey: Eastern Cottontail (*Sylvilagus floridanus*). At 05:53 one Eastern Cottontail was observed by spotlight at relatively close range to forage in the grass between the East and West Sludge Ponds approximately 25 feet north of the skimmer tank. This individual did not appear to have staining or oil on its fur.

One amphibian species was observed during the survey: Western Chorus Frog (*Pseudacris triseriata*). One individual was observed to vocalize in the bermed area proper around 06:12. Around 09:12 an estimated 12 individuals were observed to vocalize from the bermed area proper. Around 11:56 approximately 10-20 Western Chorus Frogs were observed to call from the bermed area proper. Approximately 6 individuals were observed to call from the dogleg of the bermed area. None of these frogs were seen.

The entire shoreline of each impoundment was systematically checked at least once during the day. Only the shorelines of the Primary Lagoon (except the north end under the net), Diked Lagoon, sludge ponds (except for the inaccessible west side of the West Sludge Pond) and the south side of the Secondary Lagoon, however, were walked due to steep slopes. The rest of the shorelines of the impoundments were searched from top of grade and other angles using binoculars. Animal sign observed during this search is summarized in the third enclosed table. Photographs, including those of animal sign, are enclosed.

Two remains were found: an adult Eastern Cottontail at the top of the bank at the southwest corner of the East Sludge Pond, and a probable Mallard on the mid-slope of the east central bank of the Primary Lagoon approximately 75 feet north of the TVT bridge. The Mallard feathers appeared to be stained, suggesting oiling. These remains

will be discussed subsequently in separate reports.

If you have any questions regarding this report please call me at (248) 585-3800.
Thank you for choosing MEC Environmental Consulting for your wildlife management needs.

Sincerely yours,

MEC ENVIRONMENTAL CONSULTING

A handwritten signature in blue ink, consisting of a large, stylized loop followed by a horizontal line that tapers off to the right.

Michael E. Carlson
Principal

enclosures

SCHAEFER ROAD WASTEWATER TREATMENT PLANT
BIRD SURVEY STATIONS

No.	Location	Vantage Point for . . .
1	Between East and West Sludge Ponds, on the south side, between the two guard rails	East Sludge Pond West Sludge Pond South Clarifier (part)
2	East side of Secondary Lagoon at north end of guard rail opposite the North Clarifier	Secondary Lagoon North Clarifier (most)
3	South central end of Primary Lagoon just east of weather station	Primary Lagoon
4	Southeast corner of Diked Lagoon	Diked Lagoon Secondary Lagoon (except S end) Primary Lagoon
5	South Central Side of Bermed Area*	Bermed area*, except west end (including dogleg) Diked Lagoon

* not a wastewater treatment pond or lagoon

SCHAEFER ROAD WASTEWATER TREATMENT PLANT
BIRD SURVEY RESULTS
Monday, April 09, 2012

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Common Loon	<i>Gavia immer</i>								
Pied-billed Grebe	<i>Podilymbus podiceps</i>								
Horned Grebe	<i>Podiceps auritus</i>								
Double-crested Cormorant	<i>Phalacrocorax auritus</i>	28			X	X	X	X	1, 2, 3, 4
American Bittern	<i>Botaurus lentiginosus</i>								
Great Blue Heron *	<i>Ardea herodias</i>	1				X			1, 2, 5, 6
Great Egret *	<i>Ardea alba</i>								
Snowy Egret	<i>Egretta thula</i>								
Green Heron *	<i>Butorides virescens</i>								
Black-crowned Night-Heron *	<i>Nycticorax nycticorax</i>								
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>								
Glossy Ibis	<i>Plegadis falcinellus</i>								
Turkey Vulture	<i>Cathartes aura</i>								
Snow Goose	<i>Chen caerulescens</i>								
Cackling Goose	<i>Branta hutchinsii</i>								
Canada Goose *	<i>Branta canadensis</i>	20	X	X	X	X	X	X	7
Mute Swan *	<i>Cygnus olor</i>								
Tundra Swan	<i>Cygnus columbianus</i>								
Wood Duck *	<i>Aix sponsa</i>								
Gadwall	<i>Anas strepera</i>								
American Wigeon	<i>Anas americana</i>								
American Black Duck *	<i>Anas rubripes</i>								
Mallard *	<i>Anas platyrhynchos</i>	3				X		X	8
Blue-winged Teal *	<i>Anas discors</i>								
Northern Shoveler	<i>Anas clypeata</i>								
Northern Pintail	<i>Anas acuta</i>								
Green-winged Teal	<i>Anas crecca</i>								
Canvasback	<i>Aythya valisineria</i>								
Redhead	<i>Aythya americana</i>								
Ring-necked Duck	<i>Aythya collaris</i>								
Greater Scaup	<i>Aythya marila</i>								
Lesser Scaup	<i>Aythya affinis</i>								
Long-tailed Duck	<i>Clangula hyemalis</i>								
Bufflehead	<i>Bucephala albeola</i>								
Common Goldeneye	<i>Bucephala clangula</i>								
Hooded Merganser	<i>Lophodytes cucullatus</i>								
Red-breasted Merganser	<i>Mergus serrator</i>								
Common Merganser	<i>Mergus merganser</i>								
Ruddy Duck	<i>Oxyura jamaicensis</i>								
Osprey	<i>Pandion haliaetus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Bald Eagle	<i>Haliaeetus leucocephalus</i>								
Northern Harrier	<i>Circus cyaneus</i>								
Sharp-shinned Hawk	<i>Accipiter striatus</i>								
Cooper's Hawk *	<i>Accipiter cooperii</i>								
Broad-winged Hawk	<i>Buteo platypterus</i>								
Red-tailed Hawk *	<i>Buteo jamaicensis</i>	1						X	1, 2, 3, 5, 9
Rough-legged Hawk	<i>Buteo lagopus</i>								
American Kestrel *	<i>Falco sparverius</i>	1			X				1, 2, 5, 10
Merlin	<i>Falco columbarius</i>								
Peregrine Falcon	<i>Falco peregrinus</i>								
Ring-necked Pheasant *	<i>Phasianus colchicus</i>								
Northern Bobwhite *	<i>Colinus virginianus</i>								
Virginia Rail	<i>Rallus limicola</i>								
Sora	<i>Porzana carolina</i>								
Common Gallinule	<i>Gallinula galeata</i>								
American Coot	<i>Fulica americana</i>								
Black-bellied Plover	<i>Pluvialis squatarola</i>								
American Golden-Plover	<i>Pluvialis dominica</i>								
Semipalmated Plover	<i>Charadrius semipalmatus</i>								
Killdeer *	<i>Charadrius vociferus</i>	6			X	X		X	2, 5, 11
Greater Yellowlegs	<i>Tringa melanoleuca</i>								
Lesser Yellowlegs	<i>Tringa flavipes</i>								
Solitary Sandpiper	<i>Tringa solitaria</i>								
Spotted Sandpiper *	<i>Actitis macularius</i>								
Whimbrel	<i>Numenius phaeopus</i>								
Ruddy Turnstone	<i>Arenaria interpres</i>								
Red Knot	<i>Calidris canutus</i>								
Sanderling	<i>Calidris alba</i>								
Semipalmated Sandpiper	<i>Calidris pusilla</i>								
Western Sandpiper	<i>Calidris mauri</i>								
Least Sandpiper	<i>Calidris minutilla</i>								
White-rumped Sandpiper	<i>Calidris fuscicollis</i>								
Baird's Sandpiper	<i>Calidris bairdii</i>								
Pectoral Sandpiper	<i>Calidris melanotos</i>								
Dunlin	<i>Calidris alpina</i>								
Short-billed Dowitcher	<i>Limnodromus griseus</i>								
Wilson's Snipe	<i>Gallinago delicata</i>								
American Woodcock *	<i>Scolopax minor</i>	3				X		X	2, 5, 12, 13
Wilson's Phalarope	<i>Phalaropus tricolor</i>								
Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>								
Ring-billed Gull *	<i>Larus delawarensis</i>								
Herring Gull *	<i>Larus argentatus</i>	17	X	X	X	X	X	X	1, 2, 14
Thayer's Gull	<i>Larus thayeri</i>								
Glaucous Gull	<i>Larus hyperboreus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Great Black-backed Gull	<i>Larus marinus</i>								
Caspian Tern	<i>Hydroprogne caspia</i>								
Common Tern *	<i>Sterna hirundo</i>								
Forster's Tern *	<i>Sterna forsteri</i>								
Black Tern *	<i>Chlidonias niger</i>								
Rock Pigeon *	<i>Columba livia</i>								
Mourning Dove *	<i>Zenaida macroura</i>	4			X	X		X	2, 5, 15
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>								
Eastern Screech Owl *	<i>Megascops asio</i>								
Great Horned Owl *	<i>Bubo virginianus</i>								
Snowy Owl	<i>Bubo scandiacus</i>								
Short-eared Owl	<i>Asio flammeus</i>								
Common Nighthawk	<i>Chordeiles minor</i>								
Chimney Swift *	<i>Chaetura pelagica</i>								
Ruby-throated Hummingbird *	<i>Archilochus colubris</i>								
Belted Kingfisher *	<i>Ceryle alcyon</i>								
Red-headed Woodpecker *	<i>Melanerpes erythrocephalus</i>								
Red-bellied Woodpecker *	<i>Melanerpes carolinus</i>								
Downy Woodpecker *	<i>Picoides pubescens</i>	3					X		2, 3, 5
Hairy Woodpecker *	<i>Picoides villosus</i>								
Northern Flicker *	<i>Colaptes auratus</i>	2					X		2, 3, 5, 12
Eastern Wood-Pewee *	<i>Contopus virens</i>								
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>								
Alder Flycatcher	<i>Empidonax alnorum</i>								
Willow Flycatcher *	<i>Empidonax traillii</i>								
Least Flycatcher *	<i>Empidonax minimus</i>								
Eastern Phoebe	<i>Sayornis phoebe</i>								
Great Crested Flycatcher *	<i>Myiarchus crinitus</i>								
Eastern Kingbird *	<i>Tyrannus tyrannus</i>								
White-eyed Vireo	<i>Vireo griseus</i>								
Blue-headed Vireo	<i>Vireo solitarius</i>								
Yellow-throated Vireo *	<i>Vireo flavifrons</i>								
Warbling Vireo *	<i>Vireo gilvus</i>								
Philadelphia Vireo	<i>Vireo philadelphicus</i>								
Red-eyed Vireo *	<i>Vireo olivaceus</i>								
Blue Jay *	<i>Cyanocitta cristata</i>								
American Crow *	<i>Corvus brachyrhynchos</i>								
Horned Lark	<i>Eremophila alpestris</i>								
Purple Martin *	<i>Progne subis</i>								
Tree Swallow *	<i>Tachycineta bicolor</i>	8			X	X	X	X	1, 2, 3, 16
Northern Rough-winged Swallow*	<i>Stelgidopteryx serripennis</i>								
Bank Swallow *	<i>Riparia riparia</i>								
Barn Swallow *	<i>Hirundo rustica</i>	1			X		X		1, 2, 3, 17
Cliff Swallow *	<i>Petrochelidon pyrrhonota</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Black-capped Chickadee *	<i>Poecile atricapillus</i>								
Tufted Titmouse *	<i>Baeolophus bicolor</i>								
Red-breasted Nuthatch	<i>Sitta canadensis</i>								
White-breasted Nuthatch *	<i>Sitta carolinensis</i>								
Brown Creeper	<i>Certhia americana</i>								
Carolina Wren *	<i>Thryothorus ludovicianus</i>								
House Wren *	<i>Troglodytes aedon</i>								
Winter Wren	<i>Troglodytes hiemalis</i>								
Sedge Wren	<i>Cistothorus platensis</i>								
Marsh Wren	<i>Cistothorus palustris</i>								
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>								
Golden-crowned Kinglet	<i>Regulus satrapa</i>								
Ruby-crowned Kinglet	<i>Regulus calendula</i>								
Eastern Bluebird	<i>Sialia sialis</i>								
Veery	<i>Catharus fuscescens</i>								
Gray-cheeked Thrush	<i>Catharus minimus</i>								
Swainson's Thrush	<i>Catharus ustulatus</i>								
Hermit Thrush	<i>Catharus guttatus</i>								
Wood Thrush *	<i>Hylocichla mustelinus</i>								
American Robin *	<i>Turdus migratorius</i>	28	X	X	X	X	X	X	18
Gray Catbird *	<i>Dumetella carolinensis</i>								
Northern Mockingbird	<i>Mimus polyglottos</i>								
Brown Thrasher *	<i>Toxostoma rufum</i>								
European Starling *	<i>Sturnus vulgaris</i>	5403	X	X	X	X	X	X	2, 5, 19, 20
American Pipit	<i>Anthus rubescens</i>								
Cedar Waxwing *	<i>Bombycilla cedrorum</i>								
Blue-winged Warbler	<i>Vermivora cyanoptera</i>								
Golden-winged Warbler	<i>Vermivora chrysoptera</i>								
Tennessee Warbler	<i>Oreothlypis peregrina</i>								
Orange-crowned Warbler	<i>Oreothlypis celata</i>								
Nashville Warbler *	<i>Oreothlypis ruficapilla</i>								
Northern Parula	<i>Setophaga americana</i>								
Yellow Warbler *	<i>Setophaga petechia</i>								
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>								
Magnolia Warbler	<i>Setophaga magnolia</i>								
Cape May Warbler	<i>Setophaga tigrina</i>								
Black-throated Blue Warbler	<i>Setophaga virens</i>								
Yellow-rumped Warbler	<i>Setophaga coronata</i>								
Black-throated Green Warbler	<i>Setophaga virens</i>								
Pine Warbler	<i>Setophaga pinus</i>								
Prairie Warbler	<i>Setophaga discolor</i>								
Palm Warbler	<i>Setophaga palmarum</i>								
Bay-breasted Warbler	<i>Setophaga castanea</i>								
Blackpoll Warbler	<i>Setophaga striata</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Cerulean Warbler	<i>Setophaga cerulea</i>								
Black-and-white Warbler	<i>Mniotilta varia</i>								
American Redstart	<i>Setophaga ruticilla</i>								
Prothonotary Warbler	<i>Protonotaria citrea</i>								
Ovenbird *	<i>Seiurus aurocapilla</i>								
Northern Waterthrush	<i>Parkesia noveboracensis</i>								
Mourning Warbler *	<i>Geothlypis philadelphia</i>								
Common Yellowthroat *	<i>Geothlypis trichas</i>								
Wilson's Warbler	<i>Cardellina pusilla</i>								
Canada Warbler	<i>Cardellina canadensis</i>								
Yellow-breasted Chat	<i>Icteria virens</i>								
Scarlet Tanager *	<i>Piranga olivacea</i>								
Eastern Towhee *	<i>Pipilo erythrophthalmus</i>								
American Tree Sparrow	<i>Spizella arborea</i>	1			X				3, 5, 12, 21
Chipping Sparrow *	<i>Spizella passerina</i>	1			X				3, 5, 12, 22
Field Sparrow *	<i>Spizella pusilla</i>								
Vesper Sparrow *	<i>Pooecetes gramineus</i>								
Savannah Sparrow *	<i>Passerculus sandwichensis</i>								
Grasshopper Sparrow	<i>Ammodramus savannarum</i>								
Henslow's Sparrow	<i>Ammodramus henslowii</i>								
Fox Sparrow	<i>Passerella iliaca</i>								
Song Sparrow *	<i>Melospiza melodia</i>	8		X	X	X	X		2, 3, 5, 23
Lincoln's Sparrow	<i>Melospiza lincolnii</i>								
Swamp Sparrow *	<i>Melospiza georgiana</i>								
White-throated Sparrow	<i>Zonotrichia albicollis</i>								
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>								
Dark-eyed Junco	<i>Junco hyemalis</i>								
Lapland Longspur	<i>Calcarius lapponicus</i>								
Snow Bunting	<i>Plectrophenax nivalis</i>								
Northern Cardinal *	<i>Cardinalis cardinalis</i>	1					X		2, 5, 12
Rose-breasted Grosbeak *	<i>Pheucticus ludovicianus</i>								
Indigo Bunting *	<i>Passerina cyanea</i>								
Dickcissel	<i>Spiza americana</i>								
Bobolink *	<i>Dolichonyx oryzivorus</i>								
Red-winged Blackbird *	<i>Agelaius phoeniceus</i>	329		X		X	X		2, 5, 24
Eastern Meadowlark *	<i>Sturnella magna</i>								
Rusty Blackbird	<i>Euphagus carolinus</i>								
Common Grackle *	<i>Quiscalus quiscula</i>	1444		X			X		2, 5, 25
Brown-headed Cowbird *	<i>Molothrus ater</i>								
Orchard Oriole *	<i>Icterus spurius</i>								
Baltimore Oriole *	<i>Icterus galbula</i>								
Purple Finch	<i>Carpodacus purpureus</i>								
House Finch *	<i>Carpodacus mexicanus</i>								
Red Crossbill	<i>Loxia curvirostra</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
White-winged Crossbill *	<i>Loxia leucoptera</i>								
Common Redpoll	<i>Acanthis flammea</i>								
Pine Siskin *	<i>Spinus pinus</i>								
American Goldfinch *	<i>Spinus tristis</i>	11	X		X	X	X	X	2, 3, 5, 26
Evening Grosbeak	<i>Coccothraustes vespertinus</i>								
House Sparrow *	<i>Passer domesticus</i>								
SPECIES TOTAL		23							

LEGEND

Number means the maximum total observed within the fenceline at the facility; effort was made to avoid any double-counting.

* Indicates species known or suspected to breed in the general area encompassing the site based on generalized state maps (showing county boundaries) presented in "The Atlas of Breeding Birds of Michigan" by R. Brewer et al. (MSU Press: East Lansing, 1991). It should be emphasized that many of the species indicated as breeding birds have specific habitat requirements that are not met by the industrial environment at the Schaefer Road Wastewater Treatment Plant (SRWWTP) and the surrounding area. Thus, species marked with an asterisk above should not be assumed to breed at or even adjacent to the SRWWTP.

Species list adapted from "Bird Checklist of Michigan" (Thayer's Birding Software, 1999) considering habitat provided by site and immediately surrounding areas. Nomenclature is based on the 52nd Supplement to the American Ornithologists' Union "Checklist of North American Birds" (2011).

Bird data collected at five different stations over five-minute intervals throughout the day. Survey performed by Michael Carlson from 5:40 AM to 9:21 PM.

X indicates observations made. It should be emphasized that "X" means that the species was observed within the fenceline of the SRWWTP in proximity to the particular impoundment and, unless otherwise noted, not on or in contact with the water or immediately adjacent to the water at a particular impoundment. In many cases, the species was observed flying over the pond, sometimes higher than 200 feet.

Impoundment Designations:

- L Sludge Ponds
- C Clarifiers
- S Secondary Lagoon
- P Primary Lagoon
- D Diked Lagoon

Other Area Designations:

- B Bermed Area

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1. Individual(s) observed flying over the SRWWTP.
2. Individual(s) was not observed at or near the water's edge of any of the wastewater treatment ponds and lagoons.
3. Individual(s) likely recently arrived migrant(s) or still in the process of migration.
4. Around 08:07 one individual was observed to fly north over the western edge of the plain west of the Primary Lagoon and then to turn and to fly west-southwest. At 09:20 a flock of 11 individuals was observed to fly north over the bermed area at an estimated height of approximately 100-120 feet above ground surface. All but one individual (which continued to fly north, exiting the SRWWTP) was observed to glide northeast over the bermed area, then to fly east over the bermed area, and then to quickly turn south over the Diked Lagoon and to continue flying over the Primary Lagoon. These birds appeared to be looking at the SRWWTP and, given the gliding, seemed to exhibit interest in the facility or at least to view its potential for feeding on fish. At 11:02 one individual was observed to fly east over the Primary and Secondary Lagoons at an estimated height of approximately 20-30 feet above ground surface. The low flight of this bird was construed to constitute interest in the SRWWTP although no head turning or landing approach was observed. Around 11:26 three individuals were observed to fly west over the Primary Lagoon. Around 11:42 a group of 5 individuals was observed to fly northwest over the Secondary and Primary Lagoons at an estimated height of approximately 100 feet above ground surface. Around 11:56 a group of 7 individuals was observed to fly north over the dogleg of the bermed area, then to fly east over the Diked Lagoon, and then to fly south over the Secondary Lagoon at an estimated height of approximately 100-120 feet above ground surface. Around 19:32 one individual was observed to fly north over the south end of the Secondary Lagoon and the Primary Lagoon at an estimated height of approximately 80-100 feet above ground surface.
5. Individual(s) showed no interest in water surfaces of the SRWWTP wastewater treatment ponds and lagoons.
6. At 07:15 one individual was observed to fly north silently over the Rouge River and to briefly swerve east and over the west perimeter fence, entering the SRWWTP airspace, in order to avoid a loose flock of Double-crested Cormorants flying south over the Rouge River. Several seconds later the bird was observed to move west, exiting the SRWWTP, and to resume its northwestward course over the river once the flock passed. This individual was viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that oil would likely have been apparent on the birds due to the pale gray neck and whitish face and whitish marginal coverts which are characteristic of this species.
7. At 06:43 two individuals were observed to fly west over the Secondary and Primary Lagoons at an estimated height of approximately 150-175 feet above ground surface. Around 06:50 one individual was observed to fly north-northwest over the Sludge Ponds, the south end of the Secondary Lagoon, and the Primary Lagoon at an estimated height of approximately 150-175 feet above ground surface. At 07:13 three individuals were observed to fly west over the Secondary and Primary Lagoons at an estimated height of approximately 40-50 feet above ground surface. Both birds were observed to assume a landing position over the Primary Lagoon and then to rather abruptly break the approach and to continue flying west. Around 07:18 two individuals were observed to fly southeast over the Primary and Secondary Lagoons at an estimated height of approximately 100 feet above ground surface. At 07:27 one individual was observed to rest on the water surface of the middle of the Primary Lagoon. This bird, which was observed to drink water once, was observed to have slight staining on the lower vent. Around 07:34 presumably the same individual was observed to rest on the water surface of the Primary Lagoon. At 07:39 the same bird was observed to fly off, leaving the Primary Lagoon. Around 07:43 two individuals were observed to fly over the bermed area. At 07:55 a presumed mated pair was observed to fly east and then north over the Primary Lagoon. The pair was observed to continue north over the Diked Lagoon, and then to veer northwest and to land in the dogleg of the bermed area. At approximately 07:56 the pair was

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observed to fly west from the dogleg of the bermed area. Around 08:07 two individuals were observed to fly northwest over the Primary Lagoon at an estimated height of approximately 175-200 feet above ground surface. Around 09:04 two individuals were observed to fly north over the south end of the Secondary Lagoon and the Primary Lagoon, and to land and to rest on the mid-slope of the east bank of the Primary Lagoon south of the hoist. At 09:20 the same two individuals were observed on the east bank of the Primary Lagoon. One bird was observed to rest on the ground, while the other bird was observed to repeatedly move its bill from the flanks and uppertail coverts to the same spot on the ground of the mid-slope of the east central bank of the Primary Lagoon approximately 60 feet south of the hoist. Based on this behavior, it was concluded that the bird, presumably a female, was maintaining an active nest by adding down feathers. Around 09:39 two individuals were observed to fly west-northwest over the south clarifier, south end of the Secondary Lagoon and plain south of the Primary Lagoon at an estimated height of approximately 80-100 feet above ground surface. Both birds were observed to slow their flight over the office and to glide as if ready to assume a position for landing in the Secondary Lagoon. Both birds, however, were observed to break their glide and to continue flying northwest, calling. Several minutes later another individual was observed to fly south over the Primary Lagoon at an estimated height of approximately 150 feet above ground surface. Around 09:49 the presumed female seen earlier was again observed to pick at its flanks and vent with its bill and then move its bill to the ground nearby in apparent nest maintenance. (The wildlife specialist later located and photographed a nest with two eggs covered by dry vegetation at this location.) At 09:58 presumably the nesting female was observed to rest and to swim on the water surface of the Primary Lagoon. At 16:03 a presumed mated pair was observed to fly northwest over the Diked Lagoon and bermed area at an estimated height of approximately 50-80 feet above ground surface. Around 19:10 two individuals were observed to call from the bermed area. At 19:12 another individual was observed to fly northwest over the Secondary Lagoon and Diked Lagoon at an estimated height of approximately 50-70 feet above ground surface. This individual was observed to slow its flight and assume a landing position over Station No. 4. The bird was observed to land on the water surface in the middle of the Diked Lagoon, and to slowly swim towards the northwest end. Around 19:17 this same individual was observed to swim on the water surface of the northwest corner of the Diked Lagoon. No oil was observed on the water surface at this location; in fact, the water here was earlier observed to be quite clear. At 19:24 this same individual was observed to call from the water surface of the west end of the Diked Lagoon. This same individual was observed to bathe by submersing its breast and neck five times. The bird was photographed. Despite the relatively close proximity of the wildlife specialist and his shouts and arm flapping, the bird did not move from the water surface, and was still present at 19:28. Around 20:16 a presumed mated pair was observed to fly over the Primary Lagoon, bermed area, and Diked Lagoon at an estimated height of approximately 80-100 feet above ground surface, completely circling the Diked Lagoon at least once. Around 20:28 three individuals were observed to fly south over the Primary and Secondary Lagoons at an estimated height of approximately 80-120 feet above ground surface. Many of the individuals were viewed through the naked eye and binoculars at relatively close range, albeit briefly. Individuals on the water surface were examined at considerable length. Presumably the male of the breeding pair at the Primary Lagoon showed slight staining on the lower vent, and the individual on the Diked Lagoon showed slight staining on the center of the breast, as well as on the vent and undertail. All the other individuals showed no evidence of oil or discoloration, or matted feathers. It should be noted that any oil would likely have been apparent on these birds, due to the white throat-cheek patch, white vent, white femoral tract and rump, and pale breast which characterize this species.

8. At 06:24 one individual was observed to call from the bermed area; this bird was not seen. A presumed mated pair was observed around 06:37 to rest and to swim on the water surface of the Primary Lagoon. The pair was initially observed near the northeast corner of the Primary Lagoon and then minutes later observed at the center of the north end of the lagoon south of the netting. No oil was noted on the surface of the water at this location. Due to poor light conditions and light condensation of water vapor over the water surface of the Primary Lagoon, the plumage of both birds was not seen well enough to detect staining or matting. Thus, no conclusion can be

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made concerning the condition of plumage of these two individuals.

9. Around 11:56 one individual was observed to fly west over the bermed area, soaring at an estimated height of approximately 200-300 feet above ground surface. Only the underside of this bird was viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would likely have been apparent on these birds due to the whitish throat, breast, vent, undertail coverts, and underwing coverts as well as the light red coloration of the tail which generally characterize the plumage of this species.
10. At 15:06 one individual was observed to fly rapidly northeast over the east perimeter fence opposite the pumphouse at an estimated height of approximately 40-60 feet above ground surface. This individual was not viewed through binoculars. Due to this fact and the rapid flight, the plumage of the bird was not seen well enough to detect staining or matting. Thus, no conclusion can be made concerning the condition of plumage of this individual.
11. Around 06:02 and 09:49 one individual was observed to call from what sounded like the plain west of the Primary Lagoon. Around 07:04 one individual was observed to call from the ground of the plain south of the Primary Lagoon. Around 07:18 one individual was observed to call from the west perimeter road opposite the south end of the Primary Lagoon. Around 07:43 and 10:10 one individual was observed to call from the airspace over the bermed area. At 08:01 two individuals were observed to flush from the plain west of the Primary Lagoon in response to the approach of the wildlife specialist. Both birds were observed to fly west. Around 08:17 one individual was observed to fly east over the plain south of the Primary Lagoon, to land there, and to forage on the ground. Around 08:49 one individual was observed to forage in the grass atop the west bank of the Secondary Lagoon. This bird was observed to have very white underparts. At 09:58 one individual was observed to call from the ground of the plain west of the Primary Lagoon. At 10:03 two individuals were observed to forage in the grass of the plain northwest of the Primary Lagoon. Around 11:06 one individual was observed to call from the bermed area. Around 11:33 one individual was observed to forage in the grass at the top of the southwest bank of the Secondary Lagoon approximately 10-20 feet northwest of the north end of the outfall weir. Around 12:09 one individual was observed to forage on the ground of the plain south of the Primary Lagoon. At 19:29 one individual was observed to flush from the plain west of the Primary Lagoon due to the approach of the wildlife specialist. This bird was observed to fly north. At 20:03 one individual was observed to call from the ground at the intersection of the main north-south road and the east-west road south of the outer slope of the Diked Lagoon. Around 20:54 one individual was observed to call from what sounded like the bermed area. Several of these birds were viewed through binoculars, sometimes at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on any these individuals. It should be noted that any oil would likely have been apparent on these birds, due to the white eyebrow (adult only), forehead, throat, collar (adult only), lower breast (adult only), belly, vent, wing stripe, tail tip, and underwing coverts that characterize the plumage of this species.
12. Individual heard, but not seen.
13. Around 06:02 three individuals were observed to give the nasal ground call, characteristic of this species, from the bermed area, what sounded like the plain north of the Primary Lagoon, and what sounded like the plain west of the Primary Lagoon. At 06:21 one individual was observed to call from the bermed area. Around 20:54 one individual was observed to give its nasal ground call from the bermed area.
14. At 06:24 one individual was observed to call from the airspace over the Secondary Lagoon. At 06:32 three individuals were observed to call and to fly over the Primary Lagoon. Around 06:37 two individuals were observed to fly west-southwest over the Primary and Secondary Lagoons at an estimated height of

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approximately 100 feet above ground surface. Around 06:50 one individual was observed to fly southwest over the Secondary Lagoon at an estimated height of approximately 75 feet above ground surface. Around 09:04 one individual was observed to fly northwest over the Diked Lagoon and bermed area at an estimated height of approximately 200-250 feet above ground surface. Around 10:19 one individual was observed to soar and to circle at least once over the Primary Lagoon at an estimated height of approximately 75 feet above ground surface. The bird also appeared to turn its head and to look down at the SRWWTP. This behavior was construed to be foraging activity. At 17:52 two individuals were observed to fly southwest over the Primary Lagoon at an estimated height of approximately 250 feet above ground surface. At 18:38 a second year individual was observed to soar and glide back and forth several times over the south perimeter fence at an estimated height of approximately 150 feet above ground surface. This behavior was construed to be acrobatic play in wind, rather than foraging or expression of interest in the Sludge Ponds because no appreciable head turning was observed. At the same time a second second year bird was observed to fly over the clarifiers at an estimated height of approximately 150 feet above ground surface. At 19:00 one individual was observed to soar and glide back and forth several times over the area south of the East Sludge Pond at an estimated height of approximately 100 feet above ground surface. This behavior was construed to be acrobatic play in wind because the bird was not observed to turn its head. Around 19:41 three individuals were observed to acrobat over the plain west of the Primary Lagoon at an estimated height of approximately 100-175 feet above ground surface. Around 19:53 one individual was observed to fly south over the Secondary Lagoon and Sludge Ponds at an estimated height of approximately 150-180 feet above ground surface. Several of these birds, most of which were third and fourth year individuals, were viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that any oil would likely have been very apparent on especially the third and fourth year adults, due to the birds' prominent white plumage on the head, breast, belly, and underwing.

15. At 08:55 two individuals were observed to flush from the mid-slope of the southeast bank of the Secondary Lagoon approximately 30 feet south of the east end of the north diagonal boom, due to the approach of the wildlife specialist. Both birds were observed to fly east-northeast. At 10:03 one individual was observed to fly over the plain west of the Primary Lagoon opposite the southwest corner of the lagoon and to land in a tree at the west perimeter fence, where it was observed to call. Around 10:10 one individual was observed to rest in a tree in the bermed area. These birds were viewed through the naked eye and/or binoculars at close to relatively close range. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that any oil would likely have been apparent due to the pale beige coloration of the underparts and white tips of the tail feathers as well as the pink feet which characterize the plumage of this species.
16. Around 09:12 one individual was observed to call from the airspace over the bermed area. Around 09:20 one individual was observed to call from the airspace over the Diked Lagoon. At 09:32 one individual was observed to aerially forage for flying insects over the Secondary Lagoon at an estimated height of approximately 50 feet above ground surface. At 10:37 one individual was observed to call from the airspace over the Secondary Lagoon. Around 11:13 two individuals were observed to call and to aerially forage for flying insects over the bermed area proper at an estimated height of approximately 30-40 feet above ground surface. Around 11:26 two individuals were observed to aerially forage for flying insects over the Primary Lagoon. One individual was observed at an estimated height of approximately 8-15 feet above the water surface while the other was observed approximately 20-50 feet above the water surface. Only one individual was observed to be moving south; the rest of the birds were generally moving north. Several of the individuals seen were viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that oil would likely have been apparent on the birds due to the bright white underparts characteristic of the adult plumage of this species.
17. Around 10:55 one adult was observed to rapidly fly north over the Primary Lagoon at an estimated height of approximately 6-20 feet above the water surface. This individual was viewed through binoculars, albeit briefly.

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(Continued)

No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that any oil would likely have been apparent due to the off-white to orange-beige breast, belly, and undertail and wing coverts which characterize the adult plumage of this species.

18. This species was observed during 53% (24 of 45) of the five-minute survey sessions, making it the most commonly observed species during the April survey. Approximately 9 pairs appear to have territories established at the SRWWTP: 4 along the east perimeter fence (south of southeast gate, north of clarifiers, southeast of pumphouse, north of northeast gate), 1 on the east outer slope of the Diked Lagoon, 1 on the south outer slope of the Diked Lagoon, at least 2 in the bermed area proper, and one in the dogleg of the bermed area. In addition, there appears to be at least three pairs west of the west perimeter fence and one pair east of the east perimeter fence which occasionally visit the SRWWTP. Many of the observations, particularly those made before sunrise, were of individuals singing and calling. Only sight observations are presented here. Around 06:37 one individual was observed to sing from the southeast corner of the Primary Lagoon fence. Around 06:50, 08:17, and 10:48 two individuals were observed to forage in the grass north of the south perimeter fence south of the East Sludge Pond. At 07:01 one individual was observed to fly southeast over the south end of the Secondary Lagoon and to land near a second individual on the isle of grass around the utility pole east of the East Sludge Pond and west of the southeast gate of the perimeter fence. Both birds were then observed to forage. Around 07:04 one individual was observed to forage in the grass at the top of the east bank of the Secondary Lagoon south of the pumphouse. At the same time two individuals were observed to forage in the grass at the top of the southwest bank of the Secondary Lagoon opposite the skimmer at the west junction of the north and south diagonal booms. Also at 07:04 a fourth individual was observed to forage in the grass just west of Station No. 3 at the north central side of the plain south of the Primary Lagoon. At 07:54 one individual was observed to forage on the ground immediately south end of the dogleg of the bermed area. At 08:01 two individuals were observed to rest in the grass of the plain west of the Primary Lagoon. Around 08:07 one individual was observed to fly over the south end of the Primary Lagoon. Seconds later the same bird was observed to forage in the grass on top of the southwest bank of the Primary Lagoon. At the same time a second bird was observed to call from atop a pile of dirt on the mid-slope of the southeast bank of the Primary Lagoon. Around 08:17 a third individual was observed to forage in the grass north of the south perimeter fence and south of the East Sludge Pond. Around 09:39 two individuals were observed to forage in the grass of the plain south of the Primary Lagoon. Around 09:49 one individual was observed to forage at the top of the southwest bank of the Primary Lagoon immediately north (inside of) the fence. At 10:03 one individual was observed to forage in the grass of the plain northwest of the Primary Lagoon. Around 10:19 two individuals were observed to forage in the grass at the top of the southwest bank of the Secondary Lagoon. Around 10:55 one individual was observed to fly west over the Secondary Lagoon at an estimated height of approximately 3 feet above ground surface. Around 11:26 three individuals were observed to fly over the Primary Lagoon. One of these birds was observed to fly approximately 1-3 feet above the water surface. Around 11:33 one individual was observed to forage in the grass between the East and West Sludge Ponds. Around 11:42 two individuals were observed to forage in the grass at the top of the east central bank of the Secondary Lagoon approximately 65 feet south of the pumphouse. At 11:50 one individual was observed to flush from the top of the east bank of the Secondary Lagoon approximately 25 feet south of the pumphouse due to the approach of the wildlife specialist. The bird was observed to fly a short distance to the west and to land on the Mylar ribbon cable at the crest of the northeast bank of the Secondary Lagoon and to balance there in the wind. It should be noted that this portion of the cable only contained nubs of old Mylar ribbons. Around 12:09 only one individual was observed to forage in the grass south of the pumphouse. Around 13:36 one individual was observed to forage in the grass between the East and West Sludge Ponds approximately four feet southwest of Station No. 1 and the wildlife specialist. Many of these birds were viewed through the naked eye and/or binoculars, several at very close to close range. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted

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BIRD SURVEY RESULTS
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NOTES
(Continued)

that oil would likely have been apparent on these birds, due to the yellow bill, orangish breast and belly, white undertail coverts and white tail spots which are characteristic of the plumage of this species.

19. Not a protected migratory bird.
20. Most of these individuals were associated with a starling-blackbird night roost in the bermed area. Only sight observations, and chiefly those not associated with the roost, are included here. At 07:25 one individual was observed to flush from the top of the east bank of the Primary Lagoon approximately 65 feet north of OMI 1. This bird was observed to fly north at an estimated height of approximately 10-20 feet above ground surface. Around 09:04 two individuals were observed to fly northeast over the plain west of the Primary Lagoon and the dogleg of the bermed area. Around 09:39 one individual was observed to forage in the grass of the plain south of the Primary Lagoon. At 09:47 three individuals were observed to flush from the northern portion of the plain south of the Primary Lagoon, due to the approach of the wildlife specialist, and to fly southeast. At 09:58 a group of 5 individuals was observed to forage in the grass of the plain west of the Primary Lagoon. Around 10:10 a group of 11 individuals was observed to fly west over the bermed area. Seconds later 5 individuals were observed to fly over the bermed area and to land in a tree in the bermed area, where the birds were observed to rest. Around 10:19 two individuals were observed to forage in the grass at the top of the southwest bank of the Secondary Lagoon. Around 10:29 one individual was observed to fly north over the Primary Lagoon. At 10:37 three individuals were observed to fly over the Secondary Lagoon. Around 10:48 and at 13:58 one individual was observed to sing from the wire near the top of the utility pole east of the East Sludge Pond. (This individual was observed to fly off to the west at 13:59.) At 11:02 one individual was observed to fly over the Primary Lagoon. Around 11:42 one individual was observed to fly over the clarifiers, and to rest on the roof of the shed between the north and south clarifier. This individual had nesting material in its bill, and was possibly building a nest in, or nearby, the shed. Around 19:17 two individuals were observed to fly north over the Diked Lagoon and bermed area. Around 20:07 individuals were observed to be still steadily arriving at the vegetation of the bermed area proper.
21. Around 10:55 one individual was observed to call from the ground or vegetation of the lower to mid-slope of the south central bank of the Primary Lagoon. At 18:03 presumably the same individual was observed to call from what sounded like the vegetation at the west perimeter fence opposite the southwest corner of the Primary Lagoon.
22. Around 09:49 one individual was observed to call and to flush from the lower to middle slope of the southeast bank of the Primary Lagoon. The bird was observed to quickly fly west, exiting the SRWWTP. Due to the rapid flight of the bird, the plumage of the bird was not seen well enough to detect staining or matting. Thus, no conclusion can be made concerning the condition of plumage of this individual.
23. Around 06:12, 07:34, and 10:19 one individual was observed to sing from the east outer slope of the Diked Lagoon. At 06:32 one individual was observed to sing from, and to rest on, the west perimeter fence opposite the center of the Primary Lagoon. Around 07:43 another individual was observed to sing from the dogleg of the bermed area. At 09:00 two individuals were observed to call from vegetation at the toe of the east outer slope of the Diked Lagoon. Around 09:04, 09:20, and 10:19 presumably a different individual was observed to call, call, and sing, respectively, from the south outer slope of the Diked Lagoon approximately 30 feet southwest of Station No. 4. Around 09:04 another individual was observed to sing from the bermed area. Around 09:12 two individuals were observed to sing from the bermed area. Around 11:06 and 11:56 one individual was observed to sing from the bermed area. Around 12:09 one individual was observed to sing from what sounded like the west central bank of the Secondary Lagoon. Only two birds were actually seen and viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on these two individuals. It should be noted that oil would likely have been apparent on these birds, due to the whitish throat, belly, and

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BIRD SURVEY RESULTS
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NOTES

(Continued)

undertail coverts as well as the pale supercilium and submoustachial stripe which characterize the adult plumage of the eastern race of this species.

24. Most of these individuals were associated with a starling-blackbird night roost in the bermed area. Throughout the day, up to approximately 20 to 30 individuals were singing and calling from trees and *Phragmites* in the bermed area. Only sight observations of birds proximal to treatment ponds and lagoons are presented below. Around 07:34 two males were observed chasing each other as they flew west over the Diked Lagoon at an estimated height of approximately 4-8 feet above the water surface. At 09:28 one individual was observed to sing from atop one of the stakes used to support the Mylar ribbon cable at the top of the northeast bank of the Secondary Lagoon approximately 85 feet north of the pumphouse.
25. Most of these individuals were associated with a starling-blackbird night roost in the bermed area. Throughout the day, up to approximately 15-20 individuals were singing and calling from trees and *Phragmites* in the bermed area, chiefly the dogleg. Only sight observations of birds proximal to treatment ponds and lagoons are presented below. Around 08:49 one individual was observed to call from the airspace over the Secondary Lagoon.
26. At 07:00 one individual was observed to call from the airspace over the Sludge Ponds and Secondary Lagoon. Around 08:49 one individual was observed to call from the airspace over the Secondary Lagoon. Seconds later a second individual was observed to fly north over the Secondary Lagoon at an estimated height of approximately 120 feet above ground surface. Around 09:12 one individual was observed to sing from the bermed area. Around 11:06, 11:21, and 11:56 one individual was observed to call from the airspace over the Diked Lagoon. At 11:22 two individuals were observed at the Primary Lagoon: one flying over and the other calling from overhead. Around 11:42 one individual was observed to fly southwest over the Secondary Lagoon at an estimated height of approximately 50-60 feet above ground surface. At 14:09 one individual was observed to call from the airspace over the Sludge Ponds. Only one or two individuals were viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that any oil would likely have been apparent due to the yellow head, breast, belly, and vent, as well as the white underwing coverts which characterize the alternate plumage of this species.

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ANIMAL SIGN OBSERVED

DATE: 04-09-12

1	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input checked="" type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: north end of base of aerator between East and West Sludge Pond, approximately 13 feet north of skimmer tank			Status: NA		From 1 individual(s)	
Photo #: 1			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: dropping (see Item 2)			Note: Slight splatter pattern. Bird observed closeby earlier in survey.			
2	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: ~12	<input checked="" type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: steel beam on ground between East and West Sludge Pond and approximately 4-20 feet north of skimmer tank			Status: NA		From 1-2 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: dropping (see Item 1)			Note: Two American Robins observed here earlier in survey.			
3	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: steel gate at top of south central bank of East Sludge Pond opposite control gate platform			Status: NA		From 1 individual(s)	
Photo #: 4			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note:			
4	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: approximately 6-8 feet southwest of belt skimmer at the top of the bank near southeast corner of Secondary Lagoon			Status: probably inactive		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on: no apparent modification of entrances	
Additional Sign Present: none			Note:			
5	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: guardrail at the top of the southeast bank of Secondary Lagoon approximately 2-3 feet south of north end of the guardrail at Station No. 2			Status: NA		From 1 individual(s)	
Photo #: 5			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note:			

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6	Type: dropping	Species: MALLARD	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: 2 nd segment from west of east portion of north diagonal boom			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:			
7	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: mid-slope of east central bank of Secondary Lagoon, approximately 20 feet northeast of east end of north diagonal boom			Status:		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on:	
Additional Sign Present: none			Note:			
8	Type: scat	Species: CANADA GOOSE	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of the east central bank of the Secondary Lagoon, approximately 135 feet south of pumphouse			Status:		From 1 individual(s)	
Photo #: 6			Sizing Basis: inch ruler		Based on:	
Additional Sign Present: none			Note:			
9	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: upper mid-slope of east central bank of Secondary Lagoon approximately 75 feet south of pumphouse			Status: possibly active		From NA individual(s)	
Photo #: 7			Sizing Basis: none- too steep to place		Based on: Not observed previously	
Additional Sign Present: none			Note: Opening does not appear to have been very recently excavated.			
10	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: under southwest foundation of pumphouse at top of northeast bank of Secondary Lagoon			Status: probably active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Based on: Woodchuck observed at burrow entrance at concrete slab once during September 2011 survey.	
Additional Sign Present: none			Note:			

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11	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of footing of fencing around pumphouse transformer deck at northwest corner of pumphouse at stairs			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: perched above on top of fence	
Additional Sign Present: none			Note: Significant splatter pattern indicates bird perched above on top of fence.			
12	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: outside (1 foot east of) east side of Primary Lagoon fence, approximately 8 feet north of utility pole near northeast corner of Primary Lagoon			Status: probably inactive		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note: Likely connected to Item 13.			
13	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: mid-slope of northeast bank of Primary Lagoon, approximately 15 feet northwest of utility pole			Status: probably active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note: Likely connected to Item 12.			
14	Type: shallow dig	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: upper mid-slope of the east bank of the Primary Lagoon, approximately 5 feet northwest of the utility pole			Status: inactive		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: unknown	
Additional Sign Present: none			Note: 3.5 inches deep. May have been aborted start of another burrow entrance.			
15	Type: shallow dig	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: upper mid-slope of the east bank of the Primary Lagoon, approximately 4 feet west of the utility pole			Status: unknown		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: unknown	
Additional Sign Present: none			Note: Appears to have recently been excavated			

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16	Type: nest	Species: CANADA GOOSE	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input checked="" type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: upper lower slope of east central bank of Primary Lagoon approximately 75 feet south of hoist			Status: active		From NA individual(s)	
Photo #: 9			Sizing Basis: inch ruler		Based on: Female observed adding down to nest earlier in survey. Two eggs present.	
Additional Sign Present: none			Note: Approximately 8 feet from water's edge. 2 eggs. Nest unattended in afternoon.			
17	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 10	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: control panel at top of southeast bank of Primary Lagoon located approximately 8 feet south of the southeast gate of the Primary Lagoon fence			Status: NA		From 1 individual(s)	
Photo #: 10			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note: Two droppings on concrete pad exhibit moderate splatter pattern.			
18	Type: shallow dig	Species: STRIPED SKUNK	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: ~60	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: Top of south bank of Primary Lagoon approximately 6 -36 inches north of the Primary Lagoon fence			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:			
19	Type: dropping	Species: RED-WINGED BLACKBIRD	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: atop old concrete brick at top of the north bank of the Primary Lagoon, approximately 25 feet east of northwest corner at fence line and immediately south of the fence			Status: NA		From 1 individual(s)	
Photo #: 11			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note: Slight splatter pattern.			
20	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: ground at mid-slope of northeast bank of Primary Lagoon approximately 10 feet south of netting			Status:		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on:	
Additional Sign Present: none			Note: Approximately 7 feet from water's edge.			

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21	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: floor at east end of TVT bridge at east central bank of Primary Lagoon			Status: NA		Based on: NA	
Photo #: 12			Sizing Basis: inch ruler		Behavior: standing	
Additional Sign Present: none			Note:			
22	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 4	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: rocks of mid-slope of south bank of Primary Lagoon approximately 12 feet north-northeast of weather station			Status:		Based on:	
Photo #: 14			Sizing Basis: inch ruler		Behavior: standing	
Additional Sign Present: none			Note: Birds observed nearby earlier in survey.			
23	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From NA individual(s)
Location: lower mid-slope of the west Primary Lagoon, approximately 45 feet north of the southwest corner			Status: active		Based on: First found in March 2012 survey. Recent excavated sand.	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
24	Type: shallow dig	Species: STRIPED SKUNK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: ~35	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1-2 individual(s)
Location: top of the west bank of the Secondary Lagoon, approximately 35-45 feet northeast of southeast gate in Primary Lagoon fence			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: foraging	
Additional Sign Present: none			Note: 1-2 inches in diameter; approximately 1 inch deep.			
25	Type: dropping	Species: COMMON GRACKLE	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: top of headwall south of skimmer at west end of south diagonal boom in Secondary Lagoon			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: standing	
Additional Sign Present: none			Note:			

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

ANIMAL SIGN OBSERVED

DATE: 04-09-12

26	Type: burrow	Species: EASTERN COTTONTAIL	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From NA individual(s)
Location: south side of utility pole at top of southwest bank of Secondary Lagoon			Status: unknown		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
27	Type: track	Species: CANADA GOOSE	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 12	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1-2 individual(s)
Location: south side of road between East Sludge Pond and Secondary Lagoon approximately 12 feet northwest of Station No. 1.			Status: NA		Based on: NA	
Photo #: 17			Sizing Basis: inch ruler		Behavior: unknown	
Additional Sign Present: none			Note: Impressions made in mud, subsequently hardened.			
28	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: geotextile on east bank of Primary Lagoon approximately 4 feet and 7 feet north of TVT bridge			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: stand	
Additional Sign Present: none			Note:			
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From individual(s)
Location:			Status:		Based on:	
Photo #: Sizing Basis:					Behavior:	
Additional Sign Present:			Note:			
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From individual(s)
Location:			Status:		Based on:	
Photo #: Sizing Basis:					Behavior:	
Additional Sign Present:			Note:			

APPENDIX B

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

April 1 to April 30, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
120	22	1	18	Gravel road, secondary and primary lagoons, dike lagoon, and berm area.	94	Flew away. A few birds flew away or to another pond after horn blasts, so repetitive action was required.

*During dawn and dusk inspections

**However, cannon was effective

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	30 days	30 days	Canadian geese, heron, killdeers and ducks	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012								
4/1	7:00 AM	N	N	N	N	0	N	RC
4/1	9:00 AM	Swan	N	Y	D	9	Nothing	RC
4/1	1:00 PM	Swan	N	Y	D	10	Nothing	RC
4/1	7:00 PM	Swan	N	Y	D	5	Nothing	RC
4/2	7:00 AM	N	N	N	N	0	N	RC
4/2	9:00 AM	Swan	N	Y	D	5	Nothing	RC
4/2	1:00 PM	SWAN	N	Y	D	5	Nothing	RC
4/2	7:00 PM	SWAN	N	Y	D	6	Nothing	RC
4/3	6:30 AM	N	N	N	N	0	N	RC
4/3	9:00 AM	N	N	N	N	0	N	RC
4/3	1:00 PM	N	N	N	N	0	N	RC
4/3	8:30 PM	N	N	N	N	0	N	RC
4/4	6:30 AM	1-CAN. GOOSE	N	Y	S	3	NO EFFECT	RC
4/4	9:00 AM	N	N	N	N	0	N	RC
4/4	1:00 PM	1-CANADIAN GOOSE	N	Y	S	4	NO EFFECT	RC
4/4	8:45 PM	1-CANADIAN GOOSE	N	Y	S	4	NO EFFECT	RC
4/5	6:30 AM	2-CAN. GEESE	Y	Y	S	4	FLEW AWAY	RC
4/5	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\srwwtp oil management insp. log sheet
activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012 4/5	1:00 PM	N	N	N	N	0	N	RC
4/5	8:45 PM	N	N	N	N	0	N	ST
4/6	6:15 AM	KILLDEER	N	N	P	3	No EFFECT	ST
4/6	9:00 AM	N	N	N	N	0	N	RC
4/6	1:00 PM	N	N	N	N	0	N	RC
4/6	8:45 PM	N	N	N	N	0	N	RC
4/7	7:00 AM	N	N	N	N	0	N	RC
4/7	9:00 AM	N	N	N	N	0	N	RC
4/7	1:00 PM	N	N	N	N	0	N	RC
4/7	7:00 PM	N	N	N	N	0	N	RC
4/8	7:00 AM	N	N	N	N	0	N	RC
4/8	9:00 AM	N	N	N	N	0	N	RC
4/8	1:00 PM	N	N	N	N	0	N	RC
4/8	7:00 PM	geese	N	Y	P	0	nothing N	RC
4/9	7:00 AM	N	N	N	N	0	N	RC
4/9	9:00 AM	N	N	N	N	0	N	RC
4/9	1:00 PM	N	N	N	N	0	N	RC
4/9	7:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012 4/10	7:00 AM	N	N	N	N	0	N	RC
4/10	9:00 AM	N	N	N	N	0	N	RC
4/10	1:00 PM	N	N	N	N	0	N	RC
4/10	7:00 PM	N	N	N	N	0	N	RC
4/11	6:15 AM	N	N	N	N	0	N	RC
4/11	9:00 AM	N	N	N	N	0	N	RC
4/11	1:00 PM	N	N	N	N	0	N	RC
4/11	8:45 PM	N	N	N	N	0	N	RC
4/12	6:15 AM	N	N	N	N	0	N	RC
4/12	9:00 AM	N	N	N	N	0	N	RC
4/12	1:00 PM	N	N	N	N	0	N	RC
4/12	8:45 PM	N	N	N	N	0	N	RC
4/13	6:15 AM	1 MALLARD DUCK	N	Y	S	4	NO EFFECT	RC
4/13	9:00 AM	N	N	N	N	0	N	RC
4/13	1:00 PM	N	N	N	N	0	N	RC
4/13	8:45 PM	N	N	N	N	0	N	RC
4/14	6:15 AM	N	N	N	N	0	N	RC
4/14	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\srwwtp oil management insp. log sheet
activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012 4/14	1:00 PM	N	N	N	N	0	N	RC
4/14	8:45 PM	N	N	N	N	0	N	RC
4/15	7:00 AM	N	N	N	N	0	N	RC
4/15	9:00 AM	N	N	N	N	0	N	RC
4/15	1:00 PM	N	N	N	N	0	N	RC
4/15	7:00 PM	geese	N	N	NEAR-D	3	flew away	RC
4/16	7:00 AM	N	N	N	N	0	N	RC
4/16	9:00 AM	N	N	N	N	0	N	RC
4/16	1:00 PM	N	N	N	N	0	N	RC
4/16	7:00 PM	ICAN-GESE	N	N	D	6	flew IN water	RC
4/17	7:00 AM	CANADIAN GESE ³	N	N	D	3	N, EFFECT	RC
4/17	9:00 AM	N	N	N	N	0	N	RC
4/17	1:00 PM	N	N	N	N	0	N	RC
4/17	7:00 PM	N	N	N	N	0	N	RC
4/18	7:00 AM	2 CANADIAN GESE	N	Y	P	2	flew AWAY	RC
4/18	9:00 AM	N	N	N	N	0	N	RC
4/18	1:00 PM	N	N	N	N	0	N	RC
4/18	7:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
4/19	6:30 AM	GEESSE (CANADIAN)	N	Y	S	4	No EFFECT	ST
4/19	9:00 AM	N	N	N	N	0	N	RC
4/19	1:00 PM	N	N	N	N	0	N	RC
4/19	8:30 PM	N	N	N	N	0	N	ST
4/20	6:30 AM	1-(CAN) GOOSE	N	Y	S	4	No EFFECT	ST
4/20	9:00 AM	N	N	N	N	0	N	RC
4/20	1:00 PM	N	N	N	N	0	N	RC
4/20	8:30 PM	N	N	N	N	0	N	ST
4/21	6:30 AM	1-MALL DUCK	N	Y	S	4	No EFFECT	ST
4/21	9:00 AM	N	N	N	N	0	N	RC
4/21	1:00 PM	N	N	N	N	0	N	RC
4/21	8:30 PM	N	N	N	N	0	N	ST
4/22	6:30 AM	N	N	N	N	0	N	ST
4/22	9:00 AM	N	N	N	N	0	N	RC
4/22	1:00 PM	N	N	N	N	0	N	RC
4/22	8:30 PM	N	N	N	N	0	N	RC
4/23	7:00 AM	N	N	N	N	0	N	RC
4/23	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
4/23	1:00 pm	N	N	N	N	0	N	RC
4/23	7:00 pm	N	N	N	N	0	N	RC
4/24	7:00 AM	N	N	N	N	0	N	RC
4/24	9:00 am	N	N	N	N	0	N	RC
4/24	1:00 pm	N	N	N	N	0	N	RC
4/24	7:00 pm	N	N	N	N	0	N	RC
4/25	7:00 AM	N	N	N	N	0	N	RC
4/25	9:00 AM	N	N	N	N	0	N	RC
4/25	1:00 pm	N	N	N	N	0	N	RC
4/25	7:00 pm	N	N	N	N	0	N	RC
4/26	7:00 AM	N	N	N	N	0	N	RC
4/26	9:00 AM	N	N	N	N	0	N	RC
4/26	1:00 pm	N	N	N	N	0	N	RC
4/26	7:00 pm	N	N	N	N	0	N	RC
4/27	6:00 AM	HERON, KILL DEER	N	N	S	2	(HERON) FLEW AWAY - (KILL DEER) NO EFFECT	ST
4/27	9:00 AM	N	N	N	N	0	N	RC
4/27	1:00 PM	N	N	N	N	0	N	RC
4/27	4:00 PM	N	N	N	N	0	N	ST

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
4/28	6:00 AM	1 DUCK - 1 GOOSE	N	Y	S D	10	No EFFECT	ST
4/28	9:00 AM	N	N	N	N	0	N	RC
4/28	1:00 PM	N	N	N	N	0	N	RC
4/28	4:00 PM	N	N	N	N	0	N	ST
4/29	6:00 AM	N	N	N	N	0	N	ST
4/29	9:00 AM	N	N	N	N	0	N	RC
4/29	1:00 PM	N	N	N	N	0	N	RC
4/29	4:00 PM	N	N	N	N	0	N	ST
4/30	6:00 AM	N	N	N	N	0	N	ST
4/30	9:00 AM	N	N	N	N	0	N	RC
4/30	1:00 PM	N	N	N	N	0	N	RC
4/30	9:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 4/1	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
4/1	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/2	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
4/2	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/3	6:30 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	
4/3	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/4	6:30 AM	N	N	Y	Y	1-CANADIAN GOOSE	N	N	RC
	8:45 PM	N	N	Y	Y	1-CANADIAN GOOSE	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012 4/4	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/5	6:30 AM	N	N	Y	Y	1 CANADIAN GOOSE	N	SN	RC
	2:45 PM	N	N	Y	Y	2 CANADIAN GESE	N	SN	
4/5	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/6	6:15 AM	N	N	Y	Y	KILLdeer	N	N	RC
	8:45 PM	N	N	Y	Y	N	N	PN	
4/6	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/7	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
4/7	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 4/8	7:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/8	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/9	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	X	X	N	N	N	
4/9	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/10	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
4/10	9:00 AM	N	N	X	X	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/11	6:15 AM	N	N	Y	Y	N	N	N	RC
	8:45 AM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²						
2012									
4/11	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
4/12	6:15 AM	N	N	Y	Y	N	N	N	RC
	8:45 PM	N	N	Y	Y	N	N	N	RC
4/12	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
4/13	6:15 AM	N	N	Y	Y	1-MALLARD DUCK	N	N	RC
	8:45 PM	N	N	Y	Y	N	N	N	RC
4/13	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
4/14	6:15 AM	N	N	Y	Y	N	N	N	RC
	8:45 PM	N	N	Y	Y	N	N	N	RC
4/14	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
4/15	7:00 AM	N	N	Y	Y	N	N	N	RP
	7:00 PM	N	N	Y	Y	N	N	N	RP
4/15	9:00 AM	N	N	Y	Y	N	N	N	RP
	1:00 PM	N	N	Y	Y	N	N	N	RP
4/16	7:00 AM	N	N	Y	Y	N	N	N	RP
	7:00 PM	N	N	Y	Y	N	N	N	RP
4/16	9:00 AM	N	N	Y	Y	N	N	N	RP
	1:00 PM	N	N	Y	Y	N	N	N	RP
4/17	7:00 AM	N	N	Y	Y	N	N	N	RP
	7:00 PM	N	N	Y	Y	N	N	N	RP
4/17	9:00 AM	N	N	Y	Y	N	N	N	RP
	1:00 PM	N	N	Y	Y	N	N	N	RP
4/18	7:00 AM	N	N	Y	Y	N	N	N	RP
	7:00 PM	N	N	Y	Y	N	N	N	RP

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
- ² "No" (N) entry requires notification of Plant Supervisor as soon as possible.
- ³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
4/18	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/19	6:30 AM	N	N	Y	Y	CANADIAN GOOSE	N	SN	RC
	6:30 PM	N	N	Y	Y	N	N	N	
4/19	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/20	6:30 AM	N	N	Y	Y	1-CAN- GOOSE	N	SN	RC
	8:30 PM	N	N	Y	Y	N	N	N	
4/20	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/21	6:30 AM	N	N	Y	Y	1-MALLARD Duck	N	SN	RC
	8:30 PM	N	N	Y	Y	N	N	N	
4/21	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
4/22	1:30 AM	N	N	Y	Y	N		N	SC
	8:30 PM	N	N	Y	Y	N		N	SC
4/22	9:00 AM	N	N	Y	Y	N		N	SC
	1:00 PM	N	N	Y	Y	N		N	SC
4/23	7:00 AM	N	N	Y	Y	N		N	SC
	7:00 PM	N	N	Y	Y	N		N	SC
4/23	9:00 AM	N	N	Y	Y	N		N	SC
	1:00 PM	N	N	Y	Y	N		N	SC
4/24	7:00 AM	N	N	Y	Y	N		N	SC
	7:00 PM	N	N	Y	Y	N		N	SC
4/24	9:00 AM	N	N	Y	Y	N		N	SC
	1:00 PM	N	N	Y	Y	N		N	SC
4/25	7:00 AM	N	N	Y	Y	N		N	SC
	7:00 PM	N	N	Y	Y	N		N	SC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012									
4/25	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
4/24	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
4/24	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
4/27	6:00 AM	N	N	Y	Y	N	N	N	RC
	9:00 AM	N	N	Y	Y	HERON. KILL DEER	N	SN	ST
4/27	9:00 AM	N	N	Y	Y	N	N	N	ST
	1:00 PM	N	N	Y	Y	N	N	N	RC
4/28	6:00 AM	N	N	Y	Y	1 DEER - 1 GOOSE	N	N	RC
	9:00 PM	N	N	Y	Y	N	N	SN	ST
4/28	9:00 AM	N	N	Y	Y	N	N	N	ST
	1:00 PM	N	N	Y	Y	N	N	N	RC
						N	N	N	RC

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
- ² "No" (N) entry requires notification of Plant Supervisor as soon as possible.
- ³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/28	6:00 AM	N	N	Y	Y	N	N	N	ST
2/29	9:00 PM	N	N	Y	Y	N	N	N	ST
4/29	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
4/30	6:00 AM	N	N	Y	Y	N	N	N	ST
	9:00 PM	N	N	Y	Y	N	N	N	RC
4/30	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
	AM								
	PM								
	AM								
	PM								
	AM								
	PM								

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
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FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 4/1	7:00 AM	N	N	N	N		NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
4/1	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/2	7:00 AM	N	N	N	N		NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
4/2	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/3	6:30 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC
4/3	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/4	6:30 AM	N	N	N	N	Y	NA	RC
	8:45 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
4/4	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/5	6:00 AM	N	N	N	N	Y	NA	JT
	8:45 PM	N	N	N	N	Y	NA	JT
4/5	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/6	6:15 AM	N	N	N	N	Y	NA	JT
	8:45 PM	N	N	N	N	Y	NA	RC
4/6	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/7	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
4/7	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

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DATE: 2/25/2001

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
4/8	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
4/8	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/9	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
4/9	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/10	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
4/10	9:00 AM	N	N	N	N	X	NA	RC
	1:00 PM	N	N	N	N	X	NA	RC
4/11	6:45 AM	N	N	N	N	Y	NA	AT
	8:45 PM	N	N	N	N	Y	X/NA	AT

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 4/11	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/12	6:15 AM	N	N	N	N	Y	NA	HT
	8:45 PM	N	N	N	N	Y	NA	HT
4/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/13	6:15 AM	N	N	N	N	Y	NA	HT
	8:45 PM	N	N	N	N	Y	NA	HT
4/13	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/14	6:15 AM	N	N	N	N	Y	NA	HT
	8:45 PM	N	N	N	N	Y	NA	RC
4/14	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 4/15	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	
4/15	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
4/16	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	
4/16	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
4/17	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	
4/17	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
4/18	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
4/18	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/19	6:30 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC
4/19	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/20	6:30 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC
4/20	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/21	6:30 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC
4/21	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/22								
4/22	6:30 AM	N	N	N	N	Y	NA	ST
	8:30 PM	N	N	N	N	Y	NA	RC
4/22	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/23	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
4/23	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/24	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
4/24	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/25	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
4/25	9:00 AM	N	N	N	N	Y	NA	SC
	9:00 PM	N	N	N	N	Y	NA	SC
4/26	7:00 AM	N	N	N	N	Y	NA	SC
	7:00 PM	N	N	N	N	Y	NA	SC
4/26	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
4/27	6:00 AM	N	N	N	N	Y	NA	SC
	9:00 PM	N	N	N	N	Y	NA	SC
4/27	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/28	6:00 AM	N	N	N	N	Y	NA	SC
	9:00 PM	N	N	N	N	Y	NA	SC
4/28	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
4/29	6:00 AM	N	N	N	N	Y	NA	JH
	9:00 PM	N	N	N	N	Y	NA	JH
4/29	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
4/30	6:00 AM	N	N	N	N	Y	NA	JH
	9:00 PM	N	N	N	N	Y	NA	RC
4/30	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
	AM							
	PM							
	AM							
	PM							
	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

April 16, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

**Subject: March 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant
(‘SRWWTP’)**

Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The March monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the March wildlife survey report by MEC Environmental Consulting, and the operators' inspection logs. Two carcasses were found: an adult Eastern Cottontail near the northeast corner of the East Sludge Pond, and a Meadow Vole at the top of the southeast bank of the Secondary Lagoon just north of the belt skimmer. The Meadow Vole carcass appeared to be oiled. These carcasses will be discussed in the separate report.

Please contact me at (313) 845-3217 if you have questions on the information in this report.

Very truly yours,



James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDNRE
US Fish & Wildlife, Ann Arbor Office



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
March
2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period March 1 through March 31, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

A Wildlife Survey was conducted on March 14, 2012 and a copy of the report is provided in Appendix A. Inspection reports show seasonal activities observed in the general area, and no significant issues at the site were identified. Except, two carcasses were found: an adult Eastern Cottontail near the northeast corner of the East Sludge Pond, and a Meadow Vole at the top of the southeast bank of the Secondary Lagoon just north of the belt skimmer. The Meadow Vole carcass appeared to be oiled. These carcasses will be discussed in the separate report.

On several occasions of geese were observed using one of the treatment plant impoundments, and were scared off with the air horn. The birds flew or ran away after horn blasts, so persistent hazing with the air horn was necessary.

The summary of daily inspection findings is provided in Appendix B. Copies of the inspection reports are also provided in Appendix B. No repetitive use of the treatment ponds and lagoons was observed in the March inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in March. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures

taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.3 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in March 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In March, there were observations of geese overflight or around the Bermed area. As reported, the birds flew away on its own or after horn blasts, so persistent hazing with the air horn was necessary. Activities within SRWWTP fence are summarized in Appendix B.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of March 2012.

APPENDIX A

Wildlife Survey

MEC ENVIRONMENTAL CONSULTING

VIA COURIER

April 16, 2012

Mr. James E. Earl
Severstal Dearborn, LLC.
14661 Rotunda Drive
Post Office Box 1699
Dearborn, MI 48120-1699

**Subject: Schaefer Road Wastewater Treatment Plant: 2012 Wildlife Survey #1
(P. N. 00330)**

Dear Jim:

I am very pleased to present the enclosed letter report for the subject project in partial fulfillment of your Purchase Order No. 592351. This survey constitutes the monthly bird survey in accordance with your Continuing Emergency Measures (CEM) Workplan in response to EPA Administrative Order Docket No. R7003-5-00-001.

The March survey was completed on Wednesday, March 14, 2012. A total of 45 sets of five-minute observations were made from 05:51 to 20:53 at five different stations located at significant vantage points at the Schaefer Road Wastewater Treatment Plant (SRWWTP). Observations were made at this frequency in order to ensure a complete and scientifically sound inventory, to ensure quality assurance of the data collected, and to evaluate allegations of wildlife utilization of the impoundments. Observations were both visual and aural. Visual observations were made using Swarovski EL 10 x 42 power binoculars. The location of the five stations designated by MEC Environmental Consulting, which have been used in previous surveys and will continue to be used in subsequent surveys, is presented in the first enclosed table.

Weather conditions varied over the period, and were influenced primarily by a strong high pressure system centered over Georgia, and a low pressure system centered over the Atlantic coast with associated cold and warm fronts extending west through the mid-Atlantic states and northwest through the Midwest, as well as a weak low pressure system with associated cold front extending north into central Ontario, and warm and cold fronts extending through the Great Plains and the Rockies. Barometric pressure, based on radio-broadcast readings from Detroit Metro Airport, was 30.11 in.-Hg and steady at 05:00, 30.15 in.-Hg and rising at 08:00, 30.16 in.-Hg and falling at 9:00, 30.16 in.-Hg and falling at noon, 30.04 in.-Hg and falling at 17:00, 30.03 in.-Hg and steady at 19:00 and 20:00. Relative humidity, also based on radio broadcast National Weather Service data, was 72% at 05:00, 67% at 08:00, 55% at 09:00, 44% at 17:00, and 52% at 20:00. Sky conditions were clear to mostly clear throughout the period, except from approximately 16:00 to 20:00 when skies were partly cloudy. Temperatures ranged from 37° F around 05:40 and 06:00, to 44° F around 07:00 and 08:14, to 48° F around 09:18, to 61° F around 12:54, to approximately 77° F around 17:00, to approximately 75° F around 18:20, and then to 71° F around 19:11, to 62° F around 20:11, and to 61° F around 20:48. Winds were generally out of the south-southeast throughout the period, except briefly out of the north around 06:00, west around

06:30, and for brief periods in the afternoon and evening out of the west-southwest. Wind speed gradually increased throughout the period, from approximately 0-1 mph until mid-morning, to 5-10 mph until around 11:00, to 10-15 mph, with gusts to 20 mph until approximately 19:00 when speed diminished to approximately 5-10 mph. There was no precipitation. A waning half moon (last quarter) was observed high in the south sky until approximately mid-morning. There were numerous small puddles and muddy sections of road due to extensive rains two days previously. Sunrise was at 07:46; sunset was at 19:39.

A total of 18 bird species was observed within the fenceline of the SRWWTP. This species total is two species lower than the 2000-2011 March mean of 20. Recent prolonged south winds and near record high temperatures have brought numerous avian migrants into the region, including both waterfowl and songbirds (passerines) 1-2 weeks early. Although the night before the survey was not particularly a good night for bird migration because of cold and warm fronts to the south and calm winds, a greater variety and number of birds was expected due to the previous week's warm temperatures. However, relatively few birds were observed within the SRWWTP fenceline, and only one individual was observed in, on, or immediately adjacent to a treatment pond or lagoon. This information indicates that the habitat modifications and deterrents in-place at the SRWWTP are effective.

One non-human mammalian species was observed during the survey: Eastern Cottontail (*Sylvilagus floridanus*). At 06:04 two Eastern Cottontails were observed by spotlight to forage in the vegetation in the plain south of the East Sludge Pond near the south perimeter fence. At 13:17 presumably a different individual was observed to flush from vegetation on the east side of the West Sludge Pond in response to the approach of the wildlife consultant, and to quickly run north on the strip of land between the East and West Sludge Ponds. Only the rabbit's hindquarters, including a pure white tail, were observed. At 16:47 presumably a different individual was observed to flush from a dense stand of grass on the lower slope of the west central bank of the Primary Lagoon approximately 10 feet south of the hoist. The mammal was observed to very quickly run north along the mid-slope. The coat of this rabbit was not seen well.

One amphibian species was observed during the survey: Western Chorus Frog (*Pseudacris triseriata*). Approximately 5 individuals were observed to vocalize in the bermed area proper around 06:23, 06:32, and 09:01. Around 10:22, the calls of Western Chorus Frogs in the bermed area proper were observed to have grown louder, and involved an estimated 12 to 20 individuals. At 11:15 approximately 6 Western Chorus Frogs were observed to call from the dogleg of the bermed area. Around 18:47 vocalizations of Western Chorus Frogs from the bermed area proper from at least 20 individuals was almost deafening. Around 19:48 and 20:29 at least 10 Western Chorus Frogs were still calling in the bermed area proper. None of these frogs were seen.


The entire shoreline of each impoundment was systematically checked at least once during the day. Only the shorelines of the Primary Lagoon (except the north end under the net), Diked Lagoon, sludge ponds (except for the inaccessible west side of the West Sludge Pond) and the south side of the Secondary Lagoon, however, were walked due to steep slopes. The rest of the shorelines of the impoundments were searched from top of grade and other angles using binoculars. Animal sign observed during this search is summarized in the third enclosed table. Photographs, including those of animal sign, are enclosed.

Two carcasses were found: an adult Eastern Cottontail (*Sylvilagus floridanus*) ensnared in excess netting near the northeast corner of the East Sludge Pond, and a Meadow Vole (*Microtus pennsylvanicus*) at the top of the southeast bank of the Secondary Lagoon just north of the belt skimmer. The Meadow Vole carcass appeared to be oiled. These carcasses will be discussed later in separate reports.

If you have any questions regarding this report please call me at (248) 585-3800. Thank you for choosing MEC Environmental Consulting for your wildlife management needs.

Sincerely yours,

MEC ENVIRONMENTAL CONSULTING



Michael E. Carlson
Principal

enclosures

SCHAEFER ROAD WASTEWATER TREATMENT PLANT
BIRD SURVEY RESULTS
Wednesday, March 14, 2012

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Common Loon	<i>Gavia immer</i>								
Pied-billed Grebe	<i>Podilymbus podiceps</i>								
Horned Grebe	<i>Podiceps auritus</i>								
Double-crested Cormorant	<i>Phalacrocorax auritus</i>								
American Bittern	<i>Botaurus lentiginosus</i>								
Great Blue Heron *	<i>Ardea herodias</i>								
Great Egret *	<i>Ardea alba</i>								
Snowy Egret	<i>Egretta thula</i>								
Green Heron *	<i>Butorides virescens</i>								
Black-crowned Night-Heron *	<i>Nycticorax nycticorax</i>								
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>								
Glossy Ibis	<i>Plegadis falcinellus</i>								
Turkey Vulture	<i>Cathartes aura</i>								
Snow Goose	<i>Chen caerulescens</i>								
Cackling Goose	<i>Branta hutchinsii</i>								
Canada Goose *	<i>Branta canadensis</i>	9		X	X		X		1
Mute Swan *	<i>Cygnus olor</i>								
Tundra Swan	<i>Cygnus columbianus</i>								
Wood Duck *	<i>Aix sponsa</i>								
Gadwall	<i>Anas strepera</i>								
American Wigeon	<i>Anas americana</i>								
American Black Duck *	<i>Anas rubripes</i>								
Mallard *	<i>Anas platyrhynchos</i>	5					X		2, 3, 4, 5
Blue-winged Teal *	<i>Anas discors</i>								
Northern Shoveler	<i>Anas clypeata</i>								
Northern Pintail	<i>Anas acuta</i>								
Green-winged Teal	<i>Anas crecca</i>								
Canvasback	<i>Aythya valisineria</i>								
Redhead	<i>Aythya americana</i>								
Ring-necked Duck	<i>Aythya collaris</i>								
Greater Scaup	<i>Aythya marila</i>								
Lesser Scaup	<i>Aythya affinis</i>								
Long-tailed Duck	<i>Clangula hyemalis</i>								
Bufflehead	<i>Bucephala albeola</i>								
Common Goldeneye	<i>Bucephala clangula</i>								
Hooded Merganser	<i>Lophodytes cucullatus</i>								
Red-breasted Merganser	<i>Mergus serrator</i>								
Common Merganser	<i>Mergus merganser</i>								
Ruddy Duck	<i>Oxyura jamaicensis</i>								
Osprey	<i>Pandion haliaetus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Bald Eagle	<i>Haliaeetus leucocephalus</i>								
Northern Harrier	<i>Circus cyaneus</i>								
Sharp-shinned Hawk	<i>Accipiter striatus</i>								
Cooper's Hawk *	<i>Accipiter cooperii</i>								
Broad-winged Hawk	<i>Buteo platypterus</i>								
Red-tailed Hawk *	<i>Buteo jamaicensis</i>	1					X		2, 3, 4, 6
Rough-legged Hawk	<i>Buteo lagopus</i>								
American Kestrel *	<i>Falco sparverius</i>								
Merlin	<i>Falco columbarius</i>								
Peregrine Falcon	<i>Falco peregrinus</i>								
Ring-necked Pheasant *	<i>Phasianus colchicus</i>								
Northern Bobwhite *	<i>Colinus virginianus</i>								
Virginia Rail	<i>Rallus limicola</i>								
Sora	<i>Porzana carolina</i>								
Common Gallinule	<i>Gallinula galeata</i>								
American Coot	<i>Fulica americana</i>								
Black-bellied Plover	<i>Pluvialis squatarola</i>								
American Golden-Plover	<i>Pluvialis dominica</i>								
Semipalmated Plover	<i>Charadrius semipalmatus</i>								
Killdeer *	<i>Charadrius vociferus</i>	10	X		X	X	X	X	3, 4, 7
Greater Yellowlegs	<i>Tringa melanoleuca</i>								
Lesser Yellowlegs	<i>Tringa flavipes</i>								
Solitary Sandpiper	<i>Tringa solitaria</i>								
Spotted Sandpiper *	<i>Actitis macularius</i>								
Whimbrel	<i>Numenius phaeopus</i>								
Ruddy Turnstone	<i>Arenaria interpres</i>								
Red Knot	<i>Calidris canutus</i>								
Sanderling	<i>Calidris alba</i>								
Semipalmated Sandpiper	<i>Calidris pusilla</i>								
Western Sandpiper	<i>Calidris mauri</i>								
Least Sandpiper	<i>Calidris minutilla</i>								
White-rumped Sandpiper	<i>Calidris fuscicollis</i>								
Baird's Sandpiper	<i>Calidris bairdii</i>								
Pectoral Sandpiper	<i>Calidris melanotos</i>								
Dunlin	<i>Calidris alpina</i>								
Short-billed Dowitcher	<i>Limnodromus griseus</i>								
Wilson's Snipe	<i>Gallinago delicata</i>								
American Woodcock *	<i>Scolopax minor</i>	2					X		3, 4, 8, 9
Wilson's Phalarope	<i>Phalaropus tricolor</i>								
Bonaparte's Gull	<i>Chroicocephalus philadelphia</i>								
Ring-billed Gull *	<i>Larus delawarensis</i>	3	X		X				2, 3, 4, 10
Herring Gull *	<i>Larus argentatus</i>	10	X		X	X	X	X	2, 3, 4, 11
Thayer's Gull	<i>Larus thayeri</i>								
Glaucous Gull	<i>Larus hyperboreus</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Great Black-backed Gull	<i>Larus marinus</i>								
Caspian Tern	<i>Hydroprogne caspia</i>								
Common Tern *	<i>Sterna hirundo</i>								
Forster's Tern *	<i>Sterna forsteri</i>								
Black Tern *	<i>Chlidonias niger</i>								
Rock Pigeon *	<i>Columba livia</i>								
Mourning Dove *	<i>Zenaida macroura</i>								
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>								
Eastern Screech Owl *	<i>Megascops asio</i>								
Great Horned Owl *	<i>Bubo virginianus</i>								
Snowy Owl	<i>Bubo scandiacus</i>								
Short-eared Owl	<i>Asio flammeus</i>								
Common Nighthawk	<i>Chordeiles minor</i>								
Chimney Swift *	<i>Chaetura pelagica</i>								
Ruby-throated Hummingbird *	<i>Archilochus colubris</i>								
Belted Kingfisher *	<i>Ceryle alcyon</i>								
Red-headed Woodpecker *	<i>Melanerpes erythrocephalus</i>								
Red-bellied Woodpecker *	<i>Melanerpes carolinus</i>								
Downy Woodpecker *	<i>Picoides pubescens</i>	2					X		3, 4, 8
Hairy Woodpecker *	<i>Picoides villosus</i>								
Northern Flicker *	<i>Colaptes auratus</i>								
Eastern Wood-Pewee *	<i>Contopus virens</i>								
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>								
Alder Flycatcher	<i>Empidonax alnorum</i>								
Willow Flycatcher *	<i>Empidonax traillii</i>								
Least Flycatcher *	<i>Empidonax minimus</i>								
Eastern Phoebe	<i>Sayornis phoebe</i>								
Great Crested Flycatcher *	<i>Myiarchus crinitus</i>								
Eastern Kingbird *	<i>Tyrannus tyrannus</i>								
White-eyed Vireo	<i>Vireo griseus</i>								
Blue-headed Vireo	<i>Vireo solitarius</i>								
Yellow-throated Vireo *	<i>Vireo flavifrons</i>								
Warbling Vireo *	<i>Vireo gilvus</i>								
Philadelphia Vireo	<i>Vireo philadelphicus</i>								
Red-eyed Vireo *	<i>Vireo olivaceus</i>								
Blue Jay *	<i>Cyanocitta cristata</i>								
American Crow *	<i>Corvus brachyrhynchos</i>								
Horned Lark	<i>Eremophila alpestris</i>								
Purple Martin *	<i>Progne subis</i>								
Tree Swallow *	<i>Tachycineta bicolor</i>								
Northern Rough-winged Swallow*	<i>Stelgidopteryx serripennis</i>								
Bank Swallow *	<i>Riparia riparia</i>								
Barn Swallow *	<i>Hirundo rustica</i>								
Cliff Swallow *	<i>Petrochelidon pyrrhonota</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Black-capped Chickadee *	<i>Poecile atricapillus</i>								
Tufted Titmouse *	<i>Baeolophus bicolor</i>								
Red-breasted Nuthatch	<i>Sitta canadensis</i>								
White-breasted Nuthatch *	<i>Sitta carolinensis</i>								
Brown Creeper	<i>Certhia americana</i>								
Carolina Wren *	<i>Thryothorus ludovicianus</i>								
House Wren *	<i>Troglodytes aedon</i>								
Winter Wren	<i>Troglodytes hiemalis</i>								
Sedge Wren	<i>Cistothorus platensis</i>								
Marsh Wren	<i>Cistothorus palustris</i>								
Blue-gray Gnatcatcher	<i>Poliophtila caerulea</i>								
Golden-crowned Kinglet	<i>Regulus satrapa</i>								
Ruby-crowned Kinglet	<i>Regulus calendula</i>								
Eastern Bluebird	<i>Sialia sialis</i>								
Veery	<i>Catharus fuscescens</i>								
Gray-cheeked Thrush	<i>Catharus minimus</i>								
Swainson's Thrush	<i>Catharus ustulatus</i>								
Hermit Thrush	<i>Catharus guttatus</i>								
Wood Thrush *	<i>Hylocichla mustelinus</i>								
American Robin *	<i>Turdus migratorius</i>	26	X	X	X	X	X	X	3, 4, 12
Gray Catbird *	<i>Dumetella carolinensis</i>								
Northern Mockingbird	<i>Mimus polyglottos</i>								
Brown Thrasher *	<i>Toxostoma rufum</i>								
European Starling *	<i>Sturnus vulgaris</i>	6327	X	X	X	X	X	X	3, 4, 13, 14
American Pipit	<i>Anthus rubescens</i>								
Cedar Waxwing *	<i>Bombycilla cedrorum</i>								
Blue-winged Warbler	<i>Vermivora cyanoptera</i>								
Golden-winged Warbler	<i>Vermivora chrysoptera</i>								
Tennessee Warbler	<i>Oreothlypis peregrina</i>								
Orange-crowned Warbler	<i>Oreothlypis celata</i>								
Nashville Warbler *	<i>Oreothlypis ruficapilla</i>								
Northern Parula	<i>Setophaga americana</i>								
Yellow Warbler *	<i>Setophaga petechia</i>								
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>								
Magnolia Warbler	<i>Setophaga magnolia</i>								
Cape May Warbler	<i>Setophaga tigrina</i>								
Black-throated Blue Warbler	<i>Setophaga virens</i>								
Yellow-rumped Warbler	<i>Setophaga coronata</i>								
Black-throated Green Warbler	<i>Setophaga virens</i>								
Pine Warbler	<i>Setophaga pinus</i>								
Prairie Warbler	<i>Setophaga discolor</i>								
Palm Warbler	<i>Setophaga palmarum</i>								
Bay-breasted Warbler	<i>Setophaga castanea</i>								
Blackpoll Warbler	<i>Setophaga striata</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
Cerulean Warbler	<i>Setophaga cerulea</i>								
Black-and-white Warbler	<i>Mniotilta varia</i>								
American Redstart	<i>Setophaga ruticilla</i>								
Prothonotary Warbler	<i>Protonotaria citrea</i>								
Ovenbird *	<i>Seiurus aurocapilla</i>								
Northern Waterthrush	<i>Parkesia noveboracensis</i>								
Mourning Warbler *	<i>Geothlypis philadelphia</i>								
Common Yellowthroat *	<i>Geothlypis trichas</i>								
Wilson's Warbler	<i>Cardellina pusilla</i>								
Canada Warbler	<i>Cardellina canadensis</i>								
Yellow-breasted Chat	<i>Icteria virens</i>								
Scarlet Tanager *	<i>Piranga olivacea</i>								
Eastern Towhee *	<i>Pipilo erythrophthalmus</i>								
American Tree Sparrow	<i>Spizella arborea</i>	10	X	X	X	X	X		3, 4, 15, 16
Chipping Sparrow *	<i>Spizella passerina</i>	1				X			3, 4, 8, 15, 17
Field Sparrow *	<i>Spizella pusilla</i>								
Vesper Sparrow *	<i>Poocetes gramineus</i>								
Savannah Sparrow *	<i>Passerculus sandwichensis</i>								
Grasshopper Sparrow	<i>Ammodramus savannarum</i>								
Henslow's Sparrow	<i>Ammodramus henslowii</i>								
Fox Sparrow	<i>Passerella iliaca</i>								
Song Sparrow *	<i>Melospiza melodia</i>	8	X		X	X	X		3, 4, 15, 18
Lincoln's Sparrow	<i>Melospiza lincolni</i>								
Swamp Sparrow *	<i>Melospiza georgiana</i>								
White-throated Sparrow	<i>Zonotrichia albicollis</i>								
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>								
Dark-eyed Junco	<i>Junco hyemalis</i>	2				X			3, 4, 15, 19
Lapland Longspur	<i>Calcarius lapponicus</i>								
Snow Bunting	<i>Plectrophenax nivalis</i>								
Northern Cardinal *	<i>Cardinalis cardinalis</i>	1		X		X			2, 3, 4, 20
Rose-breasted Grosbeak *	<i>Pheucticus ludovicianus</i>								
Indigo Bunting *	<i>Passerina cyanea</i>								
Dickcissel	<i>Spiza americana</i>								
Bobolink *	<i>Dolichonyx oryzivorus</i>								
Red-winged Blackbird *	<i>Agelaius phoeniceus</i>	286	X	X	X	X	X		3, 4, 21
Eastern Meadowlark *	<i>Sturnella magna</i>								
Rusty Blackbird	<i>Euphagus carolinus</i>								
Common Grackle *	<i>Quiscalus quiscula</i>	1303	X	X	X	X	X		3, 4, 22
Brown-headed Cowbird *	<i>Molothrus ater</i>	2					X		3, 4, 8
Orchard Oriole *	<i>Icterus spurius</i>								
Baltimore Oriole *	<i>Icterus galbula</i>								
Purple Finch	<i>Carpodacus purpureus</i>								
House Finch *	<i>Carpodacus mexicanus</i>								
Red Crossbill	<i>Loxia curvirostra</i>								

Common Name	Scientific Name	Maximum Number	Area						Notes
			L	C	S	P	D	B	
White-winged Crossbill *	<i>Loxia leucoptera</i>								
Common Redpoll	<i>Acanthis flammea</i>								
Pine Siskin *	<i>Spinus pinus</i>								
American Goldfinch *	<i>Spinus tristis</i>								
Evening Grosbeak	<i>Coccothraustes vespertinus</i>								
House Sparrow *	<i>Passer domesticus</i>								
SPECIES TOTAL		18							

LEGEND

Number means the maximum total observed within the fenceline at the facility; effort was made to avoid any double-counting.

* Indicates species known or suspected to breed in the general area encompassing the site based on generalized state maps (showing county boundaries) presented in "The Atlas of Breeding Birds of Michigan" by R. Brewer et al. (MSU Press: East Lansing, 1991). It should be emphasized that many of the species indicated as breeding birds have specific habitat requirements that are not met by the industrial environment at the Schaefer Road Wastewater Treatment Plant (SRWWTP) and the surrounding area. Thus, species marked with an asterisk above should not be assumed to breed at or even adjacent to the SRWWTP.

Species list adapted from "Bird Checklist of Michigan" (Thayer's Birding Software, 1999) considering habitat provided by site and immediately surrounding areas. Nomenclature is based on the 52nd Supplement to the American Ornithologists' Union "Checklist of North American Birds" (2011).

Bird data collected at five different stations over five-minute intervals throughout the day. Survey performed by Michael Carlson from 5:40 AM to 8:48 PM.

X indicates observations made. It should be emphasized that "X" means that the species was observed within the fenceline of the SRWWTP in proximity to the particular impoundment and, unless otherwise noted, not on or in contact with the water or immediately adjacent to the water at a particular impoundment. In many cases, the species was observed flying over the pond, sometimes higher than 200 feet.

Impoundment Designations:

- L Sludge Ponds
- C Clarifiers
- S Secondary Lagoon
- P Primary Lagoon
- D Diked Lagoon

Other Area Designations:

- B Bermed Area

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

BIRD SURVEY RESULTS

Wednesday, March 14, 2012

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1. At 07:55 one individual was observed to call and to fly southeast over the bermed area and Primary Lagoon at an estimated height of approximately 80-100 feet above ground surface. At 07:58 presumably a mated pair was observed to call and to fly southeast over the bermed area as well as the Primary and Secondary Lagoons at an estimated height of approximately 80 feet above ground surface. At 08:10 one individual was observed to fly east-southeast over the plain south of the Primary Lagoon and the south end of the Secondary Lagoon at an estimated height of approximately 25-45 feet above ground surface. The bird was observed to hesitate as it neared the electrical wire over the south end of the lagoon, and to somewhat awkwardly fly over the wire, and to assume a landing position. The bird was observed to quickly descend and to land on the surface of the Secondary Lagoon approximately 3 feet south of the north diagonal boom. Around 08:25 the same individual was observed to forage at the west edge of the Secondary Lagoon on the south side of a stand of cattails (*Typha*) approximately 10 feet north of the north diagonal boom. The stems of the cattails at the water surface appeared to be covered with blackish oil. The goose was observed to be rather pale, and to have immaculate plumage. Also at 08:25 five individuals were observed to fly over the Primary and Secondary Lagoons at an estimated height of approximately 150-200 feet above ground surface: a group of 3 was observed to fly north-northeast, while a presumed mated pair was observed to fly southeast, to circle back over the Secondary Lagoon and to fly northwest. From 08:30 to 08:38 the individual on the Secondary Lagoon was observed to swim north along the west side of the lagoon almost to OMI 3. The wildlife consultant attempted to deter the goose from the lagoon by moving his arms up and down and shouting as well as shining the beam of a green laser pen on the surface of the water around the bird. Neither method succeeded in moving the bird from the surface of the water. Around 09:18 the same individual was observed to forage in the same spot at the south side of the cattail stand on the west bank of the Secondary Lagoon north of the north diagonal boom. The bird was observed to submerge its head below the water surface several times and at least one time to submerge its entire neck under water, likely in order to feed on cattail roots. At 09:28 the same bird was observed to call and then to bathe in the center of the Secondary Lagoon several feet north of the north diagonal boom, and to preen for approximately two minutes and to rub its head on its neck and back. At 09:39 the same bird was observed to swim to the west bank of the Secondary Lagoon north of the north diagonal boom and then to walk up the bank at a point approximately 10-20 feet north of the skimmer at the west end of the north diagonal boom. The bird was observed to walk almost halfway up the ramp for approximately 1-2 minutes. At this point it was observed that the bird's cheek patches were slightly stained a dusky gray. Around 09:43 the same individual was observed to again swim on the water surface of the Secondary Lagoon north of the north diagonal boom. At 09:50 another individual was observed to fly silently south over the Rouge River. At the same time the individual on the Secondary Lagoon was observed to watch this individual fly by and to repeatedly call. At 09:51 the bird was observed to take off from the water surface of the Secondary Lagoon and to fly noisily southwest, leaving the SRWWTP and seemingly to follow the path of the bird that had flown past seconds earlier. At 10:29 a presumed mated pair was observed in the dogleg of the bermed area: one individual was observed to rest on the water surface, and the other individual was observed to rest on an isle of vegetation closeby. This pair was viewed through binoculars at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on either individuals. It should be noted that any oil would likely have been apparent on these birds, due to the white throat-cheek patch, white vent, white femoral tract and rump, and pale breast which characterize this species.
2. Individual(s) observed flying over the SRWWTP.
3. Individual(s) was not observed at or near the water's edge of any of the wastewater treatment ponds and lagoons.
4. Individual(s) showed no interest in water surfaces of the SRWWTP wastewater treatment ponds and lagoons.
5. Around 06:32 one individual was observed to call from the west end of the bermed area proper. At 10:39 two pairs were observed to fly very quickly northeast over the dogleg of the bermed area at an estimated height of

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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approximately 75-100 feet above ground surface. Seconds later the group reappeared and was observed to fly southwest, to quickly turn and to fly north-northeast, then to circle the dogleg, and to fly back to the southwest exiting the SRWWTP. This behavior was not construed as interest in the SRWWTP because the flight was very rapid and may possibly have been associated with courtship activity. Around 20:37 possibly the first individual was observed to call from the west end of the bermed area proper. The individuals in flight were viewed through the naked eye and briefly through binoculars under good light conditions. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that any oil would likely have been apparent on these birds due to the whitish belly and tail, white border of speculum, and white underwing coverts which are characteristic of the plumage in both sexes of this species.

6. At 15:14 one sub-adult was observed to soar, circling over the Diked Lagoon at an estimated height of approximately 200-300 feet above ground surface and to occasionally call. This individual was likely hunting for prey, and given the altitude of the bird and wind direction, it likely was focusing on the bermed area. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would likely have been apparent on this bird due to the whitish throat, breast, vent, undertail coverts, and underwing coverts as well as the light red coloration of the tail which generally characterize the plumage of this species.
7. At 05:40 one individual was observed to call from what sounded like the top of the west bank of the Secondary Lagoon. Around 06:23 presumably a different individual was observed to call from the bermed area. At 06:43 two presumably different individuals were observed to call from the airspace over the Diked and Primary Lagoons. Presumably the same two individuals were observed to call from the plain south of the Primary Lagoon at 06:51. At 07:52 four individuals were observed to call and to rest on the ground of the plain west of the Primary Lagoon. At 08:00 a fifth individual was observed in the southern portion of the plain west of the Primary Lagoon. Likely two of the same individuals were observed to call from the airspace over the bermed area around 09:08. Around 10:13 presumably two of the same individuals observed earlier were observed to call from the plain west of the Primary Lagoon. Around 11:18 presumably one of the same individuals was observed to call from the airspace over the Diked and Primary Lagoons. Around 11:20 presumably one of the same individuals was observed to call from what sounded like the plain northwest of the Primary Lagoon. At 11:36 two individuals were observed to quietly rest atop the west central bank of the Secondary Lagoon approximately 15 feet south the propane cannon. At the approach of the wildlife consultant, both birds were observed to call and then to take off. Both birds were observed to fly west over the main north-south road and over the Primary Lagoon at an estimated height of approximately 5-20 feet above ground surface. Around 11:39 likely one of the same birds seen previously was observed to forage in the grass of the plain west of the Primary Lagoon. Around 12:01 one individual was observed to call from the airspace over the Primary Lagoon. At 13:51 one individual was observed to call and to fly south over the Sludge Ponds at an estimated height of approximately 100 feet above ground surface. At 15:54 one individual was observed to fly west over the Primary Lagoon at an estimated height of approximately 20 feet above ground surface. At 17:07 likely the same birds seen earlier were observed to rest at the top of the west central bank of the Secondary Lagoon approximately 75 feet south of the propane cannon. At the approach of the wildlife consultant seconds later, both individuals were observed to call and to take off, flying west over the main north-south road and the Primary Lagoon at an estimated height of approximately 6-12 feet above ground surface. At 18:56 one individual was observed to call in the grass of the plain northwest of the Primary Lagoon. This bird was observed to have immaculate plumage. At 18:37 presumably a different bird was observed to call from the airspace over the Primary and Diked Lagoons as it flew north. At 19:03 two individuals were observed to rest on the ground of the plain south of the Primary Lagoon. Both birds were observed to have clean plumages. At 20:02 one individual was observed to call in the plain west of the Primary Lagoon, and another individual was observed to call from what sounded like the top of the west central bank of the Secondary Lagoon. Around 20:11 one individual was observed to call, from what sounded like the plain south of the East Sludge Pond. At

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BIRD SURVEY RESULTS

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the same time two individuals were observed to call repeatedly from the airspace over the Sludge Ponds. The latter birds possibly were engaged in courtship circle flight. Around 20:37 one individual was observed to call from the bermed area. Most of these birds were viewed through both the naked eye and binoculars at relatively close to close ranges. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that any oil would likely have been apparent on these birds, due to the white eyebrow, forehead, throat, collar, lower breast, belly, vent, wing stripe, tail tip, and underwing coverts that characterize the plumage of this species.

8. Individual heard, but not seen.
9. Around 06:23 one individual was observed to give its nasal ground call from what sounded like the bermed area proper. Around 20:29 presumably a different individual was observed to give its nasal ground call from the east end of the bermed area proper.
10. Around 10:48 one 4th year adult was observed to fly west over the Primary Lagoon at an estimated height of approximately 120-150 feet above ground surface. Around 17:52 two adults were observed to fly south and to briefly fly over the west perimeter fence at the West Sludge Pond at an estimated height of approximately 100 feet above ground surface. These birds were viewed through binoculars albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that any oil would likely have been very apparent due to the birds' prominent white plumage on the head, breast, belly, tail, and underwing.
11. Around 07:36 one individual was observed to fly west over the bermed area at an estimated height of approximately 200 feet above ground surface. At 08:14 one individual was observed to fly east over the Sludge Ponds at an estimated height of approximately 1000 feet above ground surface. Around 10:13 one individual was observed to call from the airspace over the bermed area while another individual was observed to fly north over the Diked Lagoon and bermed area at an estimated height of approximately 200-220 feet above ground surface. Around 11:05 one individual was observed to fly west-southwest over the plain south of the Primary Lagoon at an estimated height of approximately 100-120 feet above ground surface. Around 11:20 one individual was observed to call from the airspace over the bermed area. Around 11:39 one individual was observed to briefly acrobat in the wind just over the west perimeter fence opposite the plain south of the Primary Lagoon. Around 11:55 one individual was observed to fly west over the sludge ponds at an estimated height of approximately 150-200 feet above ground surface. At 15:54 two individuals were observed to call and to fly east over the Primary and Secondary Lagoons at an estimated height of approximately 400-500 feet above ground surface. Around 19:26 one individual was observed to fly west over the Secondary Lagoon at an estimated height of approximately 150 feet above ground surface. Most of these birds were adults, and some were viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that any oil would likely have been very apparent on these third and fourth year adults, due to the birds' prominent white plumage on the head, breast, belly, and underwing.
12. This species was observed during 69% (31 of 45) of the five-minute survey sessions, making it the most commonly observed species during the March survey. Approximately 6 pairs appear to have territories established at the SRWWTP: 4 along the east perimeter fence (south of southeast gate, north of clarifiers, southeast of pumphouse, north of northeast gate), and 2 in the bermed area. In addition, there appears to be at least two pairs west of the west perimeter fence which visit the SRWWTP. Many of the observations, particularly those made before sunrise, were of individuals singing and calling. Only sight observations are presented here. Around 07:27 one individual was observed in a tree on the east outer slope of the Diked Lagoon. At 08:32 one individual was observed to flush from the mid-slope of the southeast bank of the Secondary Lagoon approximately 12 feet north of Station No. 2 due to the approach of the wildlife consultant. This bird was observed to fly east at an estimated height of approximately 2 feet above ground surface. Around

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08:44 one individual was observed to fly over the Diked Lagoon. Around 08:53 one individual was observed to fly over the Diked Lagoon and to land in the road north of the Diked Lagoon and to briefly forage there approximately 20 feet west of Station No. 5. At 09:28 one individual was observed to perch on the electrical wire over the south end of the Secondary Lagoon near the utility pole on the southwest bank of the Secondary Lagoon. Around 10:22 one individual was observed to fly over the bermed area and to land in a tree there. At 10:35 a presumed mated pair was observed to forage on the ground west of the area between the west perimeter fence and the west perimeter road approximately 100 feet south of the south end of the dogleg of the bermed area. Around 10:48 a presumed mated pair was observed to forage in the grass at the northeast portion of the plain south of the Primary Lagoon near the Primary Lagoon fence. Around 10:49 the same pair was observed to forage at the top of the southeast bank of the Primary Lagoon inside the Primary Lagoon fence. Around 10:58 four individuals were observed to forage in the grass and vegetation between the East and West Sludge Ponds. One individual was observed to forage in vegetation on and above the net on the west side of the East Sludge Pond approximately 10 feet north of Station No. 1, while the other birds foraged approximately 20-40 feet north of Station No. 1. At the same time, a fifth individual was observed to forage in the grass at the top of the southwest bank of the Secondary Lagoon approximately 10 feet northeast of the north end of the outfall weir. Around 11:18 one individual was observed to perch in a tree in the bermed area. Around 11:39 a presumed mated pair was observed to forage in the grass of the plain west of the Primary Lagoon. Around the same time one individual was observed to fly west over the south end of the Secondary Lagoon at an estimated height of approximately 5 feet above ground surface. Around 18:20 a presumed mated pair was observed to forage in the grass at the top of the west central bank of the Secondary Lagoon. Around 18:37 one individual was observed to perch on a low branch in the tree on the south outer slope of the Diked Lagoon opposite Station No. 4, which is located at the southeast corner of the Diked Lagoon. At 18:56 one individual was observed to forage in the grass of the plain northwest of the Primary Lagoon. Many of these birds were viewed through the naked eye at relatively close and close range, and several were viewed at close range through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that oil would likely have been apparent on these birds, due to the yellow bill, orangish breast and belly, white undertail coverts and white tail spots which are characteristic of the plumage of this species.

13. Not a protected migratory bird.
14. Most of these individuals, over 6,000, were associated with a starling-blackbird night roost in the bermed area proper. All but one of the individuals observed were flying over the SRWWTP. At 17:52 one individual was observed to sing from atop the aerial on the roof of the SRWWTP Office building. Vocalizations from an estimated 60 individuals were observed coming from the bermed area proper around 06:32. At 07:22 a group of 12 individuals in a mixed flock of other blackbirds was observed to fly south from the bermed area. In addition, several small groups were observed in trees in the bermed area proper at around 07:27 and 07:45. These observations together with the lack of observation of flight lines over the SRWWTP (excluding the bermed area) indicate that the birds left the night roost to the north and or east. Individuals were observed to arrive from the east beginning around 19:11 when two homogeneous flocks were observed to land in trees at the north side of the bermed area, and minutes later drop into the *Phragmites* and *Typha* below. A large homogeneous flock of at least 3,000 individuals was observed to fly west over the bermed area and then to swerve back to the east and land in trees of the bermed area proper at 19:40. Around 20:37 the roost was quiet with the exception of several individuals vocalizing from the *Phragmites*.
15. Individual(s) likely recently arrived migrant(s) or still in the process of migration.
16. At 07:22 one individual was observed to call from the ground at the toe of the east outer slope of the Diked Lagoon north of the Secondary Lagoon. At 07:45 three individuals were observed to call from vegetation at the south end of the dogleg of the bermed area. At 08:32 one individual was observed to call from the area north of

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the north clarifier. At 10:07 presumably two different individuals were observed to call from the ground at the east perimeter fence south of the northeast gate. These birds were observed to fly up into nearby trees at the approach of the wildlife consultant, and then to fly off to the north approximately 20 seconds later. Around 10:13 two individuals were observed to call from near the Diked Lagoon: one from the south outer slope of the Diked Lagoon, and the other from the east outer slope. Around 10:49 one individual was observed to call from what sounded like the southeast corner of the Primary Lagoon. Around 18:37 presumably one of the same individuals was observed to call from the east outer slope of the Diked Lagoon. At 18:56 one individual was observed to call from a tree at the bermed area proper. Several of these individuals were viewed through binoculars, albeit briefly at relatively close range. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that oil would likely have been apparent on the birds due to the pale grayish breast and whitish belly which are characteristic of this species.

17. At 07:22 one individual was observed to call from the ground at the toe of the east outer slope of the Diked Lagoon north of the Secondary Lagoon.
18. Around 06:23, 06:32, 09:08, 10:13, 10:22, and 11:18 one individual was observed to sing from the bermed area proper. Also around 06:23 one individual was observed to sing from the area between the east end of the bermed area loop road and the east perimeter fence. Around 06:32 another individual was observed to sing from the bermed area. Around 07:27 three individuals were observed to sing from the bermed area. Around 08:44 two individuals were observed to sing from the bermed area. At 07:19, 07:22, 08:44, 09:08, 10:22, and 11:20 one individual was observed to sing from the east outer slope of the Diked Lagoon. Around 08:14 two individuals were observed to call from the area between the East and West Sludge Ponds. Around 09:01 three individuals were observed to sing from the bermed area. At 10:35 presumably a different individual was observed to forage on the ground west of the west perimeter road approximately 100 feet south of the dogleg of the bermed area. At the approach of the wildlife consultant this individual was observed to fly north along the west perimeter fence, and then to land briefly atop the west perimeter fence before flying west and exiting the SRWWTP. Several of these individuals were viewed through binoculars, albeit briefly. No evidence of oil or discoloration, or matted feathers was observed on these individuals. It should be noted that oil would likely have been apparent on these birds, due to the whitish throat, belly, and undertail coverts as well as the pale supercilium and submoustachial stripe which characterize the adult plumage of the eastern race of this species.
19. Around 08:53 one individual was observed to call from what sounded like the east outer slope of the Diked Lagoon. Around 09:08 one individual was observed to sing in the tree on the south outer slope of the Diked Lagoon opposite Station No. 4. Only one individual was seen, and this one was viewed through binoculars, albeit very briefly. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that oil would likely have been apparent on the birds due to the pinkish bill, whitish belly and white outer tail feathers that characterize the plumage of the species.
20. At 07:25 one male was observed to fly southeast past the south end of the east outer slope of the Diked Lagoon and over the north end of the Secondary Lagoon at an estimated height of approximately 3-4 feet above ground surface. The bird was observed to fly within several inches of the wildlife consultant's face, and to call twice. No evidence of oil or discoloration, or matted feathers was observed on this individual. It should be noted that any oil would likely have been apparent due to the bright orange-red plumage of the male of this species.
21. Most of these individuals, approximately 200, were associated with a starling-blackbird night roost in the bermed area proper. The first individuals were observed vocalizing from the bermed area proper at 06:40. One individual amongst a small flock of Common Grackles and European Starlings was observed to fly south over the Diked and Secondary Lagoons at 07:22. No other flights from the roost around sunrise were observed over the SRWWTP. Around 19:26 a group of 5 individuals was observed to fly northwest over the Sludge Ponds and Secondary Lagoon. No other flights to the roost around sunset were observed over the SRWWTP. Around

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18:37 and 19:48 four individuals were observed to rest in a tree in the bermed area amongst Common Grackles and European Starlings. These observations together with the lack of observation of flight lines over the SRWWTP (excluding the bermed area) indicate that the birds likely left the night roost to the north and/or east, and arrived from the north and/or east. Throughout the day, up to approximately 30 individuals were males displaying and singing in the bermed area. Only observations of birds proximal to treatment ponds and lagoons are presented below. Around 08:44 and 11:20 one male was observed to sing in a tree on the east outer slope of the Diked Lagoon. Around 08:25 one individual was observed to call from the area around the Primary Lagoon. Around 18:37 two individuals were observed to call from trees on the east outer slope of the Diked Lagoon. At 10:07 two males were observed to call from the Mylar ribbon cable at the top of the bank of the northeast corner of the Secondary Lagoon. At 17:26 presumably one of the same males was observed to fly west over the north end of the Secondary Lagoon at an estimated height of approximately 1-3 feet above the water surface. This individual was observed to land on the Mylar ribbon cable at the top of the bank at the northwest corner of the Secondary Lagoon. Presumably the same male was observed at 18:30 to fly over the north end of the Secondary Lagoon and to perch and display on the electrical wire over this lagoon opposite the pumphouse. At the same time presumably the same second bird was observed to call from the top of the guardrail at the northeast corner of the Secondary Lagoon. The same two males were observed to call from the Mylar ribbon cable at the top of the bank at the northeast corner of the Secondary Lagoon at 19:35. Both individuals were observed to flush at the approach of the wildlife consultant, and to fly south and to perch on the electrical wire over the north end of the Secondary Lagoon.

22. Most of these individuals, approximately 1,100, were associated with a starling-blackbird night roost in the bermed area proper. The first individuals were observed vocalizing from the bermed area proper around 06:32. Three individuals amongst a small flock of Red-winged Blackbirds and European Starlings was observed to fly south over the Diked and Secondary Lagoons at 07:22. At 07:45 three individuals were observed to fly north over the bermed area. No other flights from the roost around sunrise were observed over the SRWWTP. Around 18:37 and 19:48 nine and 20 individuals, respectively, were observed to rest in a tree in the bermed area amongst Red-winged Blackbirds and European Starlings. These observations together with the lack of observation of flight lines over the SRWWTP (excluding the bermed area) indicate that the birds likely left the night roost to the north and/or east, and arrived back to the roost from the north and/or east. Throughout the day, up to approximately 25 to 30 individuals were singing and calling from trees and *Phragmites* in the bermed area, chiefly the dogleg. Only sight observations of birds proximal to treatment ponds and lagoons are presented below. At 09:35 one individual was observed to call from atop the utility pole immediately east of the belt skimmer. The bird was observed to have flown off by 09:36. At 09:43 presumably a different individual was observed to call and to rest in a tree at the west perimeter fence adjacent to the West Sludge Pond. At the same time two individuals were observed to forage in the grass immediately adjacent to the west perimeter fence approximately 45 feet southwest of the weather station, located near the top of the southwest bank of the Primary Lagoon. Around 10:13 two individuals were observed to forage along the west shoulder of the road west of the Diked Lagoon. Around 18:37 presumably a different individual was observed to call from a tree on the east outer slope of the Diked Lagoon.

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ANIMAL SIGN OBSERVED

DATE: 03-14-12

1	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible	#: 3	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of guard rail on east side of East Sludge Pond, approximately 25 feet south of the northeast corner			Status: NA		From 1 individual(s)	
Photo #: 3			Sizing Basis: inch ruler		Behavior: standing	
Additional Sign Present: none			Note:			
2	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible	#: 2	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: approximately 6-8 feet southwest of belt skimmer at the top of the bank near southeast corner of Secondary Lagoon			Status: probably inactive		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
3	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: under southwest foundation of pumphouse at top of northeast bank of Secondary Lagoon			Status: probably active		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
4	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: mid-slope of northeast bank of Primary Lagoon, approximately 15 feet northwest of utility pole			Status: unknown		From NA individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: NA	
Additional Sign Present: none			Note:			
5	Type: shallow dig	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible	#: 2	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: upper mid-slope of the east bank of the Primary Lagoon, approximately 12 feet south of previous burrow			Status: NA		From 1 individual(s)	
Photo #: 8			Sizing Basis: inch ruler		Behavior: unknown	
Additional Sign Present: none			Note: 3.5 inches deep. May be start and/or aborted start of another burrow entrance.			

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

ANIMAL SIGN OBSERVED

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6	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 2	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: upper mid-slope of east central bank of the Primary Lagoon, approximately 50 feet north of TVT bridge			Status: NA		From 1 individual(s)	
Photo #: 9			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note:		Behavior: standing	
7	Type: food remains	Species: RACCOON / CARP	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input checked="" type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input checked="" type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: upper lower slope of the east central bank of the Primary Lagoon, approximately 35 feet north of TVT bridge			Status: NA		From 1 individual(s)	
Photo #: 10, 11			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note: Approximately 4.5 feet from water's edge. Vertebrate and appendage bones. Light-moderate oil stain.		Behavior: unknown	
8	Type: scat	Species: EASTERN COTTONTAIL	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: ~70	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input checked="" type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: lower mid-slope of the southwest bank of the Primary Lagoon, approximately 20 feet east of the southwest corner			Status: NA		From 1-2 individual(s)	
Photo #: 12			Sizing Basis: inch ruler		Based on: NA	
Additional Sign Present: none			Note:		Behavior: unknown	
9	Type: track	Species: BLACK-CROWNED NIGHT-HERON	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input checked="" type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of the weir at the south end of the Primary Lagoon, approximately 25 feet east of west end			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Based on: NA	
Additional Sign Present: none			Note:		Behavior: standing	
10	Type: burrow	Species: WOODCHUCK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: lower mid-slope of the west Primary Lagoon, approximately 45 feet north of the southwest corner			Status: active		From NA individual(s)	
Photo #: 13			Sizing Basis: inch ruler		Based on: Not found in previous surveys. Recent excavated sand.	
Additional Sign Present: none			Note:		Behavior: NA	

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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11	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: atop rock at top of the north bank of the Primary Lagoon, approximately 25 feet east of northwest corner at fence line			Status: NA		Based on: NA	
Photo #: 15			Sizing Basis: inch ruler		Behavior: standing	
Additional Sign Present: none			Note:			
12	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: atop rock at mid-slope of the northeast corner of the Primary Lagoon			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: standing	
Additional Sign Present: none			Note:			
13	Type: shallow dig	Species: STRIPED SKUNK	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 3	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1 individual(s)
Location: top of the east central bank of the Primary Lagoon, approximately 2 feet west of fence			Status: NA		Based on: NA	
Photo #: 16			Sizing Basis: inch ruler		Behavior: foraging	
Additional Sign Present: none			Note:			
14	Type: scat	Species: EASTERN COTTONTAIL	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input checked="" type="checkbox"/> found before	#: ~400	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input checked="" type="checkbox"/> old <input checked="" type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 2-3 individual(s)
Location: top of the southwest corner of the Primary Lagoon, approximately 3 feet northwest of weather station. Immediately inside fence.			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: unknown	
Additional Sign Present: none			Note:			
15	Type: shallow dig	Species: STRIPED SKUNK	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: ~45	<input type="checkbox"/> fresh <input checked="" type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged From 1-2 individual(s)
Location: top of the west bank of the Secondary Lagoon, approximately 120 feet south of cannon			Status: NA		Based on: NA	
Photo #: none			Sizing Basis: NA		Behavior: foraging	
Additional Sign Present: none			Note: 1-2 inches in diameter; approximately 1 inch deep.			

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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16	Type: dropping	Species: CANADA GOOSE	<input checked="" type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input checked="" type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: lower slope of the southeast bank of the Secondary Lagoon, approximately 3 feet north of north end of steel wall of skimmer at junction of north and south diagonal booms			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: standing	
Additional Sign Present: none			Note: Individual observed to come ashore near here on the morning of this survey.			
17	Type: dropping	Species: AMERICAN ROBIN	<input type="checkbox"/> certain <input checked="" type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#: 4	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: top of segment 2 and 3 (from west) of south diagonal boom north of south end of the Secondary Lagoon			Status: NA		From 1-2 individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: standing	
Additional Sign Present: none			Note:			
18	Type: feather	Species: CANADA GOOSE	<input type="checkbox"/> certain <input type="checkbox"/> probable <input checked="" type="checkbox"/> possible <input type="checkbox"/> found before	#: 1	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input checked="" type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input checked="" type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
Location: west shoulder of east perimeter road, approximately 15 feet south of the northeast corner of the Secondary Lagoon			Status: NA		From 1 individual(s)	
Photo #: none			Sizing Basis: NA		Behavior: unknown	
Additional Sign Present: none			Note: Worn. All white pale brown wavy lines and slight gray hue. Approximately 1.75 inches long. See Note 1.			
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
	Location:		Status:		From individual(s)	
	Photo #: Sizing Basis:		Based on:		Behavior:	
	Additional Sign Present:		Note:			
	Type:	Species:	<input type="checkbox"/> certain <input type="checkbox"/> probable <input type="checkbox"/> possible <input type="checkbox"/> found before	#:	<input type="checkbox"/> fresh <input type="checkbox"/> relatively fresh <input type="checkbox"/> relatively old <input type="checkbox"/> old <input type="checkbox"/> very old <input type="checkbox"/> residual	<input type="checkbox"/> soiled <input type="checkbox"/> appears to be oiled <input type="checkbox"/> no oil apparent <input type="checkbox"/> damaged
	Location:		Status:		From individual(s)	
	Photo #: Sizing Basis:		Based on:		Behavior:	
	Additional Sign Present:		Note:			

SCHAEFER ROAD WASTEWATER TREATMENT PLANT

ANIMAL SIGN OBSERVED

DATE: 03-14-12

1. Feather examined at very close range. It should be emphasized that the presence of this feather does not necessarily indicate that a Canada Goose was actually present on the east perimeter road opposite the northeast corner of the Secondary Lagoon, especially considering the worn, weathered condition of the feather. Molted feathers are frequently wind-blown, and thus may not constitute true signs of physical presence of the birds from which they have come.

APPENDIX B

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

March 1 to March 31, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
124	5	0	4	Primary and Secondary Lagoons	15	Flew away. The birds flew away by their own or after horn blasts.

*During dawn to dusk inspections

**However, cannon was effective

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	31 days	31 days	Canadian Geese	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012								
3/1	7:00 AM	N	N	N	N	0	N	RC
3/1	9:00 AM	N	N	N	N	0	N	RC
3/1	1:00 PM	N	N	N	N	0	N	RC
3/1	6:00 PM	N	N	N	N	0	N	RC
3/2	6:00 AM	N	N	N	N	0	N	RC
3/2	9:00 AM	N	N	N	N	0	N	RC
3/2	1:00 PM	N	N	N	N	0	N	RC
3/2	6:00 PM	N	N	N	N	0	N	RC
3/3	6:15 AM	N	N	N	N	0	N	RC
3/3	9:00 AM	N	N	N	N	0	N	RC
3/3	1:00 PM	N	N	N	N	0	N	RC
3/3	6:30 PM	N	N	N	N	0	N	RC
3/4	6:15 AM	N	N	N	N	0	N	RC
3/4	9:00 AM	N	N	N	N	0	N	RC
3/4	1:00 PM	N	N	N	N	0	N	RC
3/4	6:30 PM	N	N	N	N	0	N	RC
3/5	6:00 AM	N	N	N	N	0	N	RC
3/5	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\srwwtp oil management insp. log sheet
activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2012								
3/5	1:00 PM	N	N	N	N	0	N	RC
3/5	6:00 PM	N	N	N	N	0	N	ST
3/6	7:00 AM	N	N	N	N	0	N	RC
3/6	9:00 AM	N	N	N	N	0	N	RC
3/6	1:00 PM	N	N	N	N	0	N	RC
3/6	7:00 PM	N	N	N	N	0	N	RC
3/7	7:00 AM	N	N	N	N	0	N	RC
3/7	9:00 AM	N	N	N	N	0	N	RC
3/7	1:00 PM	N	N	N	N	0	N	RC
3/7	7:00 PM	N	N	N	N	0	N	RC
3/8	7:00 AM	N	N	N	N	0	N	RC
3/8	9:00 AM	N	N	N	N	0	N	RC
3/8	1:00 PM	N	N	N	N	0	N	RC
3/8	7:00 PM	N	N	N	N	0	N	RC
3/9	7:00 AM	N	N	N	N	0	N	RC
3/9	9:00 AM	N	N	N	N	0	N	RC
3/9	1:00 PM	N	N	N	N	0	N	RC
3/9	7:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
3/10	6:00 AM	N	N	N	N	0	N	ST
3/10	9:00 AM	N	N	N	N	0	N	RC
3/10	1:00 PM	N	N	N	N	0	N	RC
3/10	7:00 PM	N	N	N	N	0	N	RC
3/11	7:00 AM	N	N	N	N	0	N	ST
3/11	9:00 AM	N	N	N	N	0	N	RC
3/11	1:00 PM	N	N	N	N	0	N	RC
3/11	7:00 PM	N	N	N	N	0	N	RC
3/12	7:00 AM	N	N	N	N	0	N	ST
3/12	9:00 AM	N	N	N	N	0	N	RC
3/12	1:00 PM	N	N	N	N	0	N	RC
3/12	7:00 PM	N	N	N	N	0	N	RC
3/13	7:00 AM	N	N	N	N	0	N	ST
3/13	9:00 AM	N	N	N	N	0	N	RC
3/13	1:00 PM	N	N	N	N	0	N	RC
3/13	7:00 PM	N	N	N	N	0	N	RC
3/14	7:00 AM	N	N	N	N	0	N	RC
3/14	9:00 AM	geese	N	Y	P	0	flew away when it ^{got} ready	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
3/14	1:00 pm	N	N	N	N	0	N	SC
3/14	7:00 pm	N	N	N	N	0	N	SC
3/15	7:00 AM	N	N	N	N	0	N	SC
3/15	9:00 AM	N	N	N	N	0	N	SC
3/15	1:00 pm	N	N	N	N	0	N	SC
3/15	7:00 pm	N	N	N	N	0	N	SC
3/16	7:00 AM	N	N	N	N	0	N	SC
3/16	9:00 AM	N	N	N	N	0	N	SC
3/16	1:00 pm	N	N	N	N	0	N	SC
3/16	7:00 pm	N	N	N	N	0	N	SC
3/17	7:00 AM	N	N	N	N	0	N	SC
3/17	9:00 AM	N	N	N	N	0	N	SC
3/17	1:00 pm	N	N	N	N	0	N	SC
3/17	7:00 pm	N	N	N	N	0	N	SC
3/18	6:00 AM	N	N	N	N	0	N	SC
3/18	9:00 AM	N	N	N	N	0	N	SC
3/18	1:00 PM	N	N	N	N	0	N	SC
3/18	8:45 PM	N	N	N	N	0	N	SC

Location Code: B = near Berm area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
3/19	6:00 AM	N	N	N	N	0	N	ST
3/19	9:00 AM	N	N	N	N	0	N	RC
3/19	1:00 PM	N	N	N	N	0	N	RC
3/19	8:30 PM	N	N	N	N	0	N	ST
3/20	6:30 AM	N	N	N	N	0	N	ST
3/20	9:00 AM	N	N	N	N	0	N	RC
3/20	1:00 PM	N	N	N	N	0	N	RC
3/20	8:30 PM	N	N	N	N	0	N	ST
3/21	6:30 AM	N	N	N	N	0	N	ST
3/21	9:00 AM	N	N	N	N	0	N	RC
3/21	1:00 PM	N	N	N	N	0	N	RC
3/21	8:30 PM	N	N	N	N	0	N	RC
3/22	7:00 AM	N	N	N	N	0	N	RC
3/22	9:00 AM	N	N	N	N	0	N	RC
3/22	1:00 PM	N	N	N	N	0	N	RC
3/22	7:00 PM	N	N	N	N	0	N	RC
3/23	7:00 AM	N	N	N	N	0	N	RC
3/23	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermied area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Shown Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
3/23	1:00 PM	N	N	N	N	0	N	ST
3/23	7:00 PM	N	N	N	N	0	N	ST
3/24	7:00 AM	N	N	N	N	0	N	ST
3/24	9:00 AM	N	N	N	N	0	N	ST
3/24	1:00 PM	N	N	N	N	0	N	ST
3/24	7:00 PM	N	N	N	N	0	N	ST
3/25	7:00 AM	N	N	N	N	0	N	ST
3/25	9:00 AM	N	N	N	N	0	N	ST
3/25	1:00 PM	N	N	N	N	0	N	ST
3/25	7:00 PM	N	N	N	N	0	N	ST
3/26	6:30 AM	N	N	N	N	0	N	ST
3/26	9:00 AM	N	N	N	N	0	N	ST
3/26	1:00 PM	N	N	N	N	0	N	ST
3/26	8:30 PM	N	N	N	N	0	N	ST
3/27	6:30 AM	N	N	N	N	0	N	ST
3/27	9:00 AM	N	N	N	N	0	N	ST
3/27	1:00 PM	N	N	N	N	0	N	ST
3/27	8:30 PM	6IESE - (2)	N	N	S	4	FLEW AWAY	ST

Location Code: B = near Berm area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
3/28	6:30 AM	N	N	N	N	0	N	BT
3/28	9:00 AM	N	N	N	N	0	N	RC
3/28	1:00 PM	1 CANADIAN GOOSE	N	Y	S	4	NO EFFECT	RC
3/28	8:30 PM	N	N	N	N	0	N	BT
3/29	6:30 AM	2 CANADIAN GOOSE	N	Y	S	4	NO EFFECT	BT
3/29	9:00 AM	2 CANADIAN GOOSE	N	Y	S	3	FLEW AWAY	RC
3/29	1:00 PM	N	N	N	N	0	N	RC
3/29	7:30 PM	N	N	N	N	0	N	RC
3/30	7:00 AM	N	N	N	N	0	N	RC
3/30	9:00 AM	N	N	N	N	0	N	RC
3/30	1:00 PM	N	N	N	N	0	N	RC
3/30	7:00 PM	N	N	N	N	0	N	RC
3/31	7:00 AM	N	N	N	N	0	N	RC
3/31	9:00 AM	N	N	N	N	0	N	RC
3/31	1:00 PM	N	N	N	N	0	N	RC
3/31	7:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\srwwtp oil management insp. log sheet activity log

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012									
3/1	7:00 AM	N	N	Y	Y	N	N	N	RE
3/1	6:00 PM	N	N	Y	Y	N	N	N	RE
3/1	9:00 AM	N	N	Y	Y	N	N	N	RE
3/1	1:00 PM	N	N	Y	Y	N	N	N	RE
3/2	6:00 AM	N	N	Y	Y	N	N	N	RE
3/2	6:00 PM	N	N	Y	Y	N	N	N	RE
3/2	9:00 AM	N	N	Y	Y	N	N	N	RE
3/2	1:00 PM	N	N	Y	Y	N	N	N	RE
3/3	6:15 AM	N	N	Y	Y	N	N	N	RE
3/3	6:30 PM	N	N	Y	Y	N	N	N	RE
3/3	9:00 AM	N	N	Y	Y	N	N	N	RE
3/3	1:00 PM	N	N	Y	Y	N	N	N	RE
3/4	6:15 AM	N	N	Y	Y	N	N	N	RE
3/4	6:30 PM	N	N	Y	Y	N	N	N	RE

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/2/2									
3/4	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	
3/5	6:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/5	9:00AM	N	N	Y	Y	N	N	N	RC
	1:00PM	N	N	Y	Y	N	N	N	
3/6	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/10	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
3/7	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/7	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Breach/Damage (Y/N) ¹	Location (if Y)	Bank Cover Oiled (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012									
3/8	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
3/8	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/9	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
3/9	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/10	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
3/10	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/11	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 3/11	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
3/12	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/12	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
3/13	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/13	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
3/14	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/14	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
3/15	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/15	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
3/16	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/16	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
3/17	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	
3/17	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
3/17	6:00 AM	N	N	Y	Y	N	N	N	RC
	8:45 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
3/18	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/19	6:00 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	ST
3/19	9:00 AM	N	N	Y	Y	N	N	N	ST
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/20	6:30 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	ST
3/20	9:00 AM	N	N	Y	Y	N	N	N	ST
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/21	6:30 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	ST
3/21	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
3/22	7:00 AM	N	N	Y	Y	N	N	N	KE
	7:00 PM	N	N	Y	Y	N	N	N	KE
3/22	9:00 AM	N	N	Y	Y	N	N	N	KE
	1:00 PM	N	N	Y	Y	N	N	N	KE
3/23	7:00 AM	N	N	Y	Y	N	N	N	KE
	7:00 PM	N	N	Y	Y	N	N	N	KE
3/23	9:00 AM	N	N	Y	Y	N	N	N	KE
	1:00 PM	N	N	Y	Y	N	N	N	KE
3/24	7:00 AM	N	N	Y	Y	N	N	N	KE
	7:00 PM	N	N	Y	Y	N	N	N	KE
3/24	9:00 AM	N	N	Y	Y	N	N	N	KE
	1:00 PM	N	N	Y	Y	N	N	N	KE
3/25	7:00 AM	N	N	Y	Y	N	N	N	KE
	7:00 PM	N	N	Y	Y	N	N	N	KE

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012									
3/25	9:00 AM	N	N	Y	X	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/26	6:30 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	RC
3/26	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/27	6:30 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	RC
3/27	9:00 AM	N	N	Y	Y	2- GEESE CANADIAN	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/28	6:30 AM	N	N	Y	Y	N	N	N	RC
	8:30 PM	N	N	Y	Y	N	N	N	RC
3/28	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	1- CANADIAN GOOSE	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Breach/ Damage (Y/N) ¹	Location (if Y)	Bank Cover (Y/N)	Noise Cannon Operating Properly (Y/N) ²	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
2012									
3/29	6:30 AM	N	N	Y	Y	2 CANADIAN GEESE	N	S N	ST
	7:30 PM	N	N	Y	Y	N	N	N	ST
3/29	9:00 AM	N	N	Y	Y	2-CANADIAN GEESE	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/30	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
3/30	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
3/31	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC
3/31	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
	AM						N	N	RC
	PM								

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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FORM SRWWTP 1.02

DATE: 2/26/2001

q:\excel\rouge\Source oil.mxd

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
3/1	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
3/1	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/2	6:15 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
3/2	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/3	6:15 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	RC
3/3	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/4	6:15 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 3/4	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/5	6:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/5	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/6	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/6	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/7	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/7	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

q:\excel\rouge\srwwtp oil management insp. log sheet

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil) ²	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
3/8	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/8	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/9	7:00 AM	N	N	N	N	Y	NA	RC
	9:00 PM	N	N	N	N	Y	NA	RC
3/9	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/10	6:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/10	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/11	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
3/11	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/12	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/13	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/13	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/14	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/14	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
3/15	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/15	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/16	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/16	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/17	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/17	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/18	6:00 AM	N	N	N	N	Y	NA	ST
	8:45 PM	N	N	N	N	Y	NA	ST

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
3/18	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/19	6:00 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC
3/19	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/20	6:30 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC
3/20	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/21	6:30 AM	N	N	N	N	Y	NA	RC
	8:30 PM	N	N	N	N	Y	NA	RC
3/21	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
3/22	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/22	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/23	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/23	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/24	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/24	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/25	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
3/25	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
3/26	6:30 AM	N	N	N	N	Y	NA	ST
	8:30 PM	N	N	N	N	Y	NA	
3/26	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
3/27	6:30 AM	N	N	N	N	Y	NA	ST
	8:30 PM	N	N	N	N	Y	NA	
3/27	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
3/28	6:30 AM	N	N	N	N	Y	NA	ST
	8:30 PM	N	N	N	N	Y	NA	
3/28	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
3/29	6:30 AM	N	N	N	N	Y	NA	ST
	7:30 PM	N	N	N	N	Y	NA	RC
3/29	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
3/30	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/30	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	X	NA	RC
3/31	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC
3/31	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
	AM							
	PM							

- ¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").
- ² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001



MTA 087738431

March 15, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: February 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

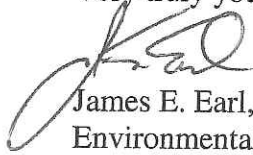
Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The February monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the February operators' inspection logs. No wildlife was potentially exposed in the month of February.

Please contact me at (313) 845-3217 if you have questions on the information in this report.

Very truly yours,


James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDNRE
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
February 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Inspection Summary and Report Sheets	Appendix A

**CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT**

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period February 1 through February 29, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. No repetitive use of the treatment ponds and lagoons was observed in the February inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in February. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in February 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In February, there was no observation of significant wildlife activities within the SRWWTP fence. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of February 2012.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

February 1 to February 29, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
116	0	0	No	N/A	0	N/A

*During dawn to dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	29 days	29 days	None	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2/1	7:00 AM	N	N	N	N	0	N	RC
2/1	9:00 AM	N	N	N	N	0	N	RC
2/1	1:00 PM	N	N	N	N	0	N	RC
2/1	6:00 PM	N	N	N	N	0	N	RC
2/2	7:00 AM	N	N	N	N	0	N	RC
2/2	9:00 AM	N	N	N	N	0	N	RC
2/2	1:00 PM	N	N	N	N	0	N	RC
2/2	6:00 PM	N	N	N	N	0	N	RC
2/3	7:00 AM	N	N	N	N	0	N	RC
2/3	9:00 AM	N	N	N	N	0	N	RC
2/3	1:00 PM	N	N	N	N	0	N	RC
2/3	6:00 PM	N	N	N	N	0	N	RC
2/4	7:00 AM	N	N	N	N	0	N	RC
2/4	9:00 AM	N	N	N	N	0	N	RC
2/4	1:00 PM	N	N	N	N	0	N	RC
2/4	6:00 PM	N	N	N	N	0	N	RC
2/5	7:00 AM	N	N	N	N	0	N	RC
2/5	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2/5	1:00 pm	N	N	N	N	0	A N	RC
2/5	6:30 PM	N	N	N	N	0	N	RC
2/6	7:00 AM	N	N	N	N	0	N	RC
2/6	9:40 AM	N	N	N	N	0	N	RC
2/6	1:00 pm	N	N	N	N	0	N	RC
2/6	7:30 PM	N	N	N	N	0	N	RC
2/7	7:00 AM	N	N	N	N	0	N	RC
2/7	9:00 AM	N	N	N	N	0	N	RC
2/7	1:00 PM	N	N	N	N	0	N	RC
2/7	6:30 PM	N	N	N	N	0	N	RC
2/8	6:30 AM	N	N	N	N	0	N	RC
2/8	9:00 AM	N	N	N	N	0	N	RC
2/8	1:00 PM	N	N	N	N	0	N	RC
2/8	6:30 PM	N	N	N	N	0	N	RC
2/9	6:30 AM	N	N	N	N	0	N	RC
2/9	9:00 AM	N	N	N	N	0	N	RC
2/9	1:00 PM	N	N	N	N	0	N	RC
2/9	6:30 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2/10	6:30 AM	N	N	N	N	0	N	HT
2/10	9:00 AM	N	N	N	N	0	N	RC
2/10	1:00 PM	N	N	N	N	0	N	RC
2/10	6:30 PM	N	N	N	N	0	N	RC
2/11	7:00 AM	N	N	N	N	0	N	RC
2/11	9:00 AM	N	N	N	N	0	N	RC
2/11	1:00 PM	N	N	N	N	0	N	RC
2/11	7:00 PM	N	N	N	N	0	N	RC
2/12	7:00 AM	N	N	N	N	0	N	RC
2/12	9:00 AM	N	N	N	N	0	N	RC
2/12	1:00 PM	N	N	N	N	0	N	RC
2/12	7:00 PM	N	N	N	N	0	N	RC
2/13	7:00 AM	N	N	N	N	0	N	RC
2/13	9:00 AM	N	N	N	N	0	N	RC
2/13	1:00 PM	N	N	N	N	0	N	RC
2/13	6:00 PM	N	N	N	N	0	N	RC
2/14	7:00 AM	N	N	N	N	0	N	RC
2/14	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2/14	1:00 pm	N	N	N	N	0	N	RC
2/14	6:00 pm	N	N	N	N	0	N	RC
2/15	7:00 AM	N	N	N	N	0	N	RC
2/15	9:00 AM	N	N	N	N	0	N	RC
2/15	1:00 PM	N	N	N	N	0	N	RC
2/15	6:30 PM	N	N	N	N	0	N	RC
2/16	7:00 AM	N	N	N	N	0	N	RC
2/16	9:00 AM	N	N	N	N	0	N	RC
2/16	1:00 PM	N	N	N	N	0	N	RC
2/16	6:30 PM	N	N	N	N	0	N	RC
2/17	7:00 AM	N	N	N	N	0	N	RC
2/17	9:00 AM	N	N	N	N	0	N	RC
2/17	1:00 PM	N	N	N	N	0	N	RC
2/17	6:30 PM	N	N	N	N	0	N	RC
2/18	7:00 AM	N	N	N	N	0	N	RC
2/18	9:00 AM	N	N	N	N	0	N	RC
2/18	1:00 PM	N	N	N	N	0	N	RC
2/18	6:30 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2/19	7:00 AM	N	N	N	N	0	N	RC
2/19	9:00 AM	N	N	N	N	0	N	RC
2/19	1:00 PM	N	N	N	N	0	N	RC
2/19	6:00 PM	N	N	N	N	0	N	RC
2/20	7:00 AM	N	N	N	N	0	N	RC
2/20	9:00 AM	N	N	N	N	0	N	RC
2/20	1:00 PM	N	N	N	N	0	N	RC
2/20	6:00 PM	N	N	N	N	0	N	RC
2/21	7:00 AM	N	N	N	N	0	N	RC
2/21	9:00 AM	N	N	N	N	0	N	RC
2/21	1:00 PM	N	N	N	N	0	N	RC
2/21	6:00 PM	N	N	N	N	0	N	RC
2/22	7:00 AM	N	N	N	N	0	N	RC
2/22	9:00 AM	N	N	N	N	0	N	RC
2/22	1:00 PM	N	N	N	N	0	N	RC
2/22	6:00 PM	N	N	N	N	0	N	RC
2/23	6:30 AM	N	N	N	N	0	N	RC
2/23	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2/23	1:00 PM	N	N	N	N	0	N	RC
2/23	6:30 PM	N	N	N	N	0	N	RC
2/24	6:30 AM	N	N	N	N	0	N	RC
2/24	9:00 AM	N	N	N	N	0	N	RC
2/24	1:00 PM	N	N	N	N	0	N	RC
2/24	6:30 PM	N	N	N	N	0	N	RC
2/25	6:30 AM	N	N	N	N	0	N	RC
2/25	9:00 AM	N	N	N	N	0	N	RC
2/25	1:00 PM	N	N	N	N	0	N	RC
2/25	6:30 PM	N	N	N	N	0	N	RC
2/26	6:30 AM	N	N	N	N	0	N	RC
2/26	9:00 AM	N	N	N	N	0	N	RC
2/26	1:00 PM	N	N	N	N	0	N	RC
2/26	6:30 PM	N	N	N	N	0	N	RC
2/27	7:00 AM	N	N	N	N	0	N	RC
2/27	9:00 AM	N	N	N	N	0	N	RC
2/27	1:00 PM	N	N	N	N	0	N	RC
2/27	6:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2/28	7:00 AM	N	N	N	N	0	N	RC
2/28	9:00 AM	N	N	N	N	0	N	RC
2/28	1:00 PM	N	N	N	N	0	N	RC
2/28	6:00 PM	N	N	N	N	0	N	RC
2/29	7:00 AM	N	N	N	N	0	N	RC
2/29	9:00 AM	N	N	N	N	0	N	RC
2/29	1:00 PM	N	N	N	N	0	N	RC
2/29	6:00 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

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activity log

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/1	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/1	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/2	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/2	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/3	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/3	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/4	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/4	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/5	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	
2/5	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/6	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/6	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/7	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

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q:\excel\rouge\srwwtp oil management incn log sheet

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/2									
2/8	6:30 AM	N	N	Y	Y	N	N	N	HT
	6:30 PM	N	N	Y	Y	N	N	N	
2/8	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
2/9	6:30 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	HT
2/9	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
2/10	6:30 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	HT
2/10	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
2/11	7:00 AM	N	N	Y	Y	N	N	N	RC
	7:00 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/11	9:00 AM	N	N	Y	Y	N	N	N	[Initials]
	1:00 PM	N	N	Y	Y	N	N	N	
2/12	7:00 AM	N	N	Y	Y	N	N	N	[Initials]
	7:00 PM	N	N	Y	Y	N	N	N	
2/12	9:00 AM	N	N	Y	Y	N	N	N	[Initials]
	1:00 PM	N	N	Y	Y	N	N	N	
2/13	7:00 AM	N	N	Y	Y	N	N	N	[Initials]
	6:00 PM	N	N	Y	Y	N	N	N	
2/13	9:00 AM	N	N	Y	Y	N	N	N	[Initials]
	1:00 PM	N	N	Y	Y	N	N	N	
2/14	7:00 AM	N	N	Y	Y	N	N	N	[Initials]
	6:00 PM	N	N	Y	Y	N	N	N	
2/14	9:00 AM	N	N	Y	Y	N	N	N	[Initials]
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/12	7:00 AM	N	N	Y	Y	N	N	N	RC
2/15	6:30 PM	N	N	Y	Y	N	N	N	RC
2/15	9:00 AM	N	N	Y	Y	N	N	N	RC
2/15	1:00 PM	N	N	Y	Y	N	N	N	RC
2/16	7:00 AM	N	N	Y	Y	N	N	N	RC
2/16	6:30 PM	N	N	Y	Y	N	N	N	RC
2/16	9:00 AM	N	N	Y	Y	N	N	N	RC
2/16	1:00 PM	N	N	Y	Y	N	N	N	RC
2/17	7:00 AM	N	N	Y	Y	N	N	N	RC
2/17	6:30 PM	N	N	Y	Y	N	N	N	RC
2/17	9:00 AM	N	N	Y	Y	N	N	N	RC
2/17	1:00 PM	N	N	Y	Y	N	N	N	RC
2/18	7:00 AM	N	N	Y	Y	N	N	N	RC
2/18	6:30 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/18	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/19	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/19	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/20	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/20	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/21	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/21	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/22	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	RC
2/22	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
2/23	6:30 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	RC
2/23	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
2/24	6:30 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	RC
2/24	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
2/25	6:30 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/25	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/26	6:30 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	
2/26	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/27	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/27	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/28	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/28	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
- ² "No" (N) entry requires notification of Plant Supervisor as soon as possible.
- ³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/2									
2/29	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	6:00 PM	N	N	Y	Y	N	N	N	
2/29	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
	AM								
	PM								
	AM								
	PM								
	AM								
	PM								
	AM								
	PM								
	AM								
	PM								

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil) ²	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/1	7:00 AM	N	N	N	N	Y	NA	RC
2/1	6:00 PM	N	N	N	N	Y	NA	RC
2/1	9:00 AM	N	N	N	N	Y	NA	RC
2/1	1:00 PM	N	N	N	N	Y	NA	RC
2/2	7:00 AM	N	N	N	N	Y	NA	RC
2/2	6:00 PM	N	N	N	N	Y	NA	RC
2/2	9:00 AM	N	N	N	N	Y	NA	RC
2/2	1:00 PM	N	N	N	N	Y	NA	RC
2/3	7:00 AM	N	N	N	N	Y	NA	RC
2/3	6:00 PM	N	N	N	N	Y	NA	RC
2/3	9:00 AM	N	N	N	N	Y	NA	RC
2/3	1:00 PM	N	N	N	N	Y	NA	RC
2/4	7:00 AM	N	N	N	N	Y	NA	RC
2/4	6:30 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/4	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	
2/5	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	
2/5	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	
2/6	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	
2/6	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	
2/7	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	
2/7	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/8	6:30 AM	N	N	N	N	Y	NA	AT
	6:30 PM	N	N	N	N	Y	NA	RC
2/8	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/9	6:30 AM	N	N	N	N	Y	NA	AT
	6:30 PM	N	N	N	N	Y	NA	RC
2/9	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/10	6:30 AM	N	N	N	N	Y	NA	AT
	6:30 PM	N	N	N	N	Y	NA	RC
2/10	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/11	7:00 AM	N	N	N	N	Y	NA	RC
	7:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/12								
2/11	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
2/12	7:00 AM	N	N	N	N	Y	NA	[Signature]
	7:00 PM	N	N	N	N	Y	NA	
2/12	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
2/13	7:00 AM	N	N	N	N	Y	NA	[Signature]
	6:00 PM	N	N	N	N	Y	NA	
2/13	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	
2/14	7:00 AM	N	N	N	N	Y	NA	[Signature]
	6:00 PM	N	N	N	N	Y	NA	
2/14	9:00 AM	N	N	N	N	Y	NA	[Signature]
	1:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/15	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	
2/15	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
2/16	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	
2/16	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
2/17	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	
2/17	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
2/18	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/18	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/19	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
2/19	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/20	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
2/20	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/21	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
2/21	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

q:\excel\rouge\srwwtp oil management insp. log sheet

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/22	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
2/22	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/23	6:30 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	RC
2/23	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/24	6:30 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	RC
2/24	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/25	6:30 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
2/25	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/26	6:30 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	RC
2/26	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/27	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
2/27	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
2/28	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
2/28	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/29	7:00 AM	N	N	N	N	Y	NA	JP
	6:00 PM	N	N	N	N	Y	NA	JP
2/29	9:00 AM	N	N	N	N	Y	NA	JP
	1:00 PM	N	N	N	N	Y	NA	JP
	AM							
	PM							
	AM							
	PM							
	AM							
	PM							
	AM							
	PM							
	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).



MID 087738431

February 15, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

**Subject: January 2012 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant
(‘SRWWTP’)**

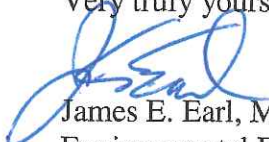
Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The January monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the January operators’ inspection logs. No wildlife was potentially exposed in the month of December.

Please contact me at (313) 845-3217 if you have questions on the information in this report.

Very truly yours,


James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDNRE
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn, LLC
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
January 2012

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

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2.0 Activities for the Period	1
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4.0 Evaluation	1,2
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Inspection Summary and Report Sheets	Appendix A
Oil Hauling Manifests	Appendix B

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period January 1 through January 31, 2012. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. No repetitive use of the treatment ponds and lagoons was observed in the January inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in January. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in January 2012. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In January, there was no observation of significant wildlife activities within the SRWWTP fence. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

6,500 gallons of oil-water mixture were hauled off-site in the month of January 2012. Copies of the manifests for the loads are attached in Appendix B.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

January 1 to January 31, 2012

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
124	0	0	No	N/A	0	N/A

*During dawn and dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	31 days	31 days	None	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

*During dawn and dusk inspections

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
1/1	7:00 AM	N	N	N	N	0	N	RC
1/1	9:00 AM	N	N	N	N	0	N	RC
1/1	1:00 PM	N	N	N	N	0	N	RC
1/1	5:30 PM	N	N	N	N	0	N	ST
1/2	7:00 AM	N	N	N	N	0	N	RC
1/2	9:00 AM	N	N	N	N	0	N	RC
1/2	1:00 PM	N	N	N	N	0	N	RC
1/2	6:00 PM	N	N	N	N	0	N	ST
1/3	7:00 AM	N	N	N	N	0	N	RC
1/3	9:00 AM	N	N	N	N	0	N	RC
1/3	1:00 PM	N	N	N	N	0	N	RC
1/3	6:00 PM	N	N	N	N	0	N	ST
1/4	7:00 AM	N	N	N	N	0	N	RC
1/4	9:00 AM	N	N	N	N	0	N	RC
1/4	1:00 PM	N	N	N	N	0	N	RC
1/4	6:00 PM	N	N	N	N	0	N	RC
1/5	7:00 AM	N	N	N	N	0	N	ST
1/5	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2/2								
4/5	1:00 pm	N	N	N	N	0	N	RC
4/5	6:00 pm	N	N	N	N	0	N	RC
4/6	7:00 AM	N	N	N	N	0	N	RC
4/6	9:00 AM	N	N	N	N	0	N	RC
4/6	1:00 pm	N	N	N	N	0	N	RC
4/6	6:00 pm	N	N	N	N	0	N	RC
1/7	7:00 AM	N	N	N	N	0	N	RC
1/7	9:00 pm	N	N	N	N	0	N	RC
1/7	1:00 pm	N	N	N	N	0	N	RC
1/7	6:00 pm	N	N	N	N	0	N	RC
1/8	7:00 AM	N	N	N	N	0	N	RC
1/8	9:00 AM	N	N	N	N	0	N	RC
1/8	1:00 pm	N	N	N	N	0	N	RC
1/8	6:00 pm	N	N	N	N	0	N	RC
1/9	7:00 AM	N	N	N	N	0	N	RC
1/9	9:00 AM	N	N	N	N	0	N	RC
1/9	1:00 pm	N	N	N	N	0	N	RC
1/9	6:00 pm	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
1/10	7:00 AM	N	N	N	N	0	N	RC
1/10	9:00 AM	N	N	N	N	0	N	RC
1/10	1:00 PM	N	N	N	N	0	N	RC
1/10	6:15 PM	N	N	N	N	0	N	RC
1/11	7:00 AM	N	N	N	N	0	N	RC
1/11	9:00 AM	N	N	N	N	0	N	RC
1/11	1:00 PM	N	N	N	N	0	N	RC
1/11	6:00 PM	N	N	N	N	0	N	RC
1/12	7:00 AM	N	N	N	N	0	N	RC
1/12	9:00 AM	N	N	N	N	0	N	RC
1/12	1:00 PM	N	N	N	N	0	N	RC
1/12	5:30 PM	N	N	N	N	0	N	RC
1/13	7:00 AM	N	N	N	N	0	N	RC
1/13	9:00 AM	N	N	N	N	0	N	RC
1/13	1:00 PM	N	N	N	N	0	N	RC
1/13	6:00 PM	N	N	N	N	0	N	RC
1/14	7:00 AM	N	N	N	N	0	N	RC
1/14	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
4/14	1:00 pm	N	N	N	N	0	N	SC
4/14	6:00 PM	N	N	N	N	0	N	RC
4/15	8:00 AM	N	N	N	N	0	N	SC
4/15	9:00 AM	N	N	N	N	0	N	SC
4/15	1:00 pm	N	N	N	N	0	N	SC
4/15	6:00 PM	N	N	N	N	0	N	RC
4/16	1:00 AM	N	N	N	N	0	N	SC
4/16	9:00 AM	N	N	N	N	0	N	SC
4/16	1:00 pm	N	N	N	N	0	N	SC
4/16	6:00 PM	N	N	N	N	0	N	RC
4/17	1:00 AM	N	N	N	N	0	N	SC
4/17	9:00 AM	N	N	N	N	0	N	SC
4/17	1:00 pm	N	N	N	N	0	N	SC
4/17	6:00 PM	N	N	N	N	0	N	RC
4/18	7:00 AM	N	N	N	N	0	N	RC
4/18	9:00 AM	N	N	N	N	0	N	SC
4/18	1:00 pm	N	N	N	N	0	N	SC
4/18	6:30 PM	N	N	N	N	0	N	SC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
1/19	7:00 AM	N	N	N	N	0	N	RC
1/19	9:00 AM	N	N	N	N	0	N	RC
1/19	1:00 PM	N	N	N	N	0	N	RC
1/19	6:00 PM	N	N	N	N	0	N	RC
1/20	7:00 AM	N	N	N	N	0	N	RC
1/20	9:00 AM	N	N	N	N	0	N	RC
1/20	1:00 PM	N	N	N	N	0	N	RC
1/20	6:00 PM	N	N	N	N	0	N	RC
1/21	7:00 AM	N	N	N	N	0	N	RC
1/21	9:00 AM	N	N	N	N	0	N	RC
1/21	1:00 PM	N	N	N	N	0	N	RC
1/21	6:00 PM	N	N	N	N	0	N	RC
1/22	7:00 AM	N	N	N	N	0	N	RC
1/22	9:00 AM	N	N	N	N	0	N	RC
1/22	1:00 PM	N	N	N	N	0	N	RC
1/22	6:00 PM	N	N	N	N	0	N	RC
1/23	7:00 AM	N	N	N	N	0	N	RC
1/23	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date 2012	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
1/23	1:00 pm	N	N	N	N	0	N	SC
1/23	6:00 pm	N	N	N	N	0	N	RE
1/24	7:00 am	N	N	N	N	0	N	SC
1/24	9:00 am	N	N	N	N	0	N	SC
1/24	1:00 pm	N	N	N	N	0	N	SC
1/24	6:00 pm	N	N	N	N	0	N	RE
1/25	7:00 am	N	N	N	N	0	N	SC
1/25	9:00 am	N	N	N	N	0	N	SC
1/25	1:00 pm	N	N	N	N	0	N	SC
1/25	6:00 pm	N	N	N	N	0	N	RE
1/26	7:00 am	N	N	N	N	0	N	SC
1/26	9:00 am	N	N	N	N	0	N	SC
1/26	1:00 pm	N	N	N	N	0	N	SC
1/26	6:00 pm	N	N	N	N	0	N	SC
1/27	7:00 am	N	N	N	N	0	N	SC
1/27	9:00 am	N	N	N	N	0	N	SC
1/27	1:00 pm	N	N	N	N	0	N	SC
1/27	6:00 pm	N	N	N	N	0	N	SC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
1/28	7:00 AM	N	N	N	N	0	N	RC
1/28	9:00 AM	N	N	N	N	0	N	RC
1/28	1:00 PM	N	N	N	N	0	N	RC
1/28	6:00 PM	N	N	N	N	0	N	RC
1/29	7:00 AM	N	N	N	N	0	N	RC
1/29	9:00 AM	N	N	N	N	0	N	RC
1/29	1:00 PM	N	N	N	N	0	N	RC
1/29	6:15 PM	N	N	N	N	0	N	RC
1/30	7:00 AM	N	N	N	N	0	N	RC
1/30	9:00 AM	N	N	N	N	0	N	RC
1/30	1:00 PM	N	N	N	N	0	N	RC
1/30	6:30 PM	N	N	N	N	0	N	RC
1/31	7:00 AM	N	N	N	N	0	N	RC
1/31	9:00 AM	N	N	N	N	0	N	RC
1/31	1:00 PM	N	N	N	N	0	N	RC
1/31	6:30 PM	N	N	N	N	0	N	RC
X								
X								

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 1/1	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
1/1	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/2	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/2	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/3	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/3	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/4	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

FORM SRWWTP 1.02

DATE: 2/26/2001

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 4/4	9:00 AM	N	N	X	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/5	5:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
4/5	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/6	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
4/6	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
4/7	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
4/7	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required.
If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 1/8	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/8	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/9	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/9	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/10	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:15 PM	N	N	Y	Y	N	N	N	
1/10	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/11	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/11	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/12	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
2/12	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/13	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/13	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
2/14	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
2/14	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2017 1/15	8:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/15	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/16	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/16	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/17	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/17	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/18	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/18	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/19	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/19	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/20	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/20	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/21	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/21	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2012 1/22	2:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/22	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/23	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/23	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/24	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/24	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/25	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2/25	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/26	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/26	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/27	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/27	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/28	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:00 PM	N	N	Y	Y	N	N	N	
1/28	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

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Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
1/29	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:15 PM	N	N	Y	Y	N	N	N	
1/29	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/30	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	
1/30	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
1/31	7:00 AM	N	N	Y	Y	N	N	N	RC
	6:30 PM	N	N	Y	Y	N	N	N	
1/31	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
X	AM								RC
	PM								

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 1/1	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	
1/1	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
1/2	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	
1/2	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
1/3	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	
1/3	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
1/4	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
1/4	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/5	7:00 AM	N	N	N	N	Y	NA	SC
	6:00 PM	N	N	N	N	Y	NA	RE
1/5	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/6	7:00 AM	N	N	N	N	Y	NA	SC
	6:00 PM	N	N	N	N	Y	NA	RE
1/6	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/7	7:00 AM	N	N	N	N	Y	NA	RE
	6:00 PM	N	N	N	N	Y	NA	SC
2/7	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 1/8	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/8	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/9	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/9	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/10	7:00 AM	N	N	N	N	Y	NA	RC
	6:15 PM	N	N	N	N	Y	NA	RC
1/10	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/11	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012								
1/11	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/12	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
1/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/13	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/13	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/14	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/14	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

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Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/12								
1/15	8:00 AM	N	N	N	N	Y	NA	SC
	6:00 PM	N	N	N	N	Y	NA	RC
1/15	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/16	7:00 AM	N	N	N	N	Y	NA	SC
	6:00 PM	N	N	N	N	Y	NA	RC
1/16	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/17	7:00 AM	N	N	N	N	Y	NA	SC
	6:00 PM	N	N	N	N	Y	NA	RC
1/17	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/18	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	SC

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2012 1/18	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/19	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/19	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/20	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/20	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/21	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/21	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

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DATE: 2/25/2001

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SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
1/22	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/22	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/23	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/23	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/24	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC
1/24	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
1/25	7:00 AM	N	N	N	N	Y	NA	RC
	6:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/2/2	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/26	7:00 AM	N	N	N	N	Y	NA	RE
	6:00 PM	N	N	N	N	Y	NA	RE
1/26	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/27	7:00 AM	N	N	N	N	Y	NA	RE
	6:00 PM	N	N	N	N	Y	NA	SC
1/27	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
1/28	7:00 AM	N	N	N	N	Y	NA	RE
	6:00 PM	N	N	N	N	Y	NA	RE
1/28	9:00 AM	N	N	N	N	Y	NA	RE
	1:00 PM	N	N	N	N	Y	NA	RE

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
1/29	7:00 AM	N	N	N	N	Y	NA	RC
	6:15 PM	N	N	N	N	Y	NA	
1/29	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
1/30	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	
1/30	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
1/31	7:00 AM	N	N	N	N	Y	NA	RC
	6:30 PM	N	N	N	N	Y	NA	
1/31	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	
X	AM							
	PM							

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible. AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

q:\excel\rouge-Srwwtp oil management insp. log sheet

APPENDIX B

Oil Hauling Manifests

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MID087732431	2. Page 1 of	3. Emergency Response Phone 724-596-0310	4. Manifest Tracking Number 001604698 GBF		
5. Generator's Name and Mailing Address Severstal North America 3001 Miller Road Dearborn, MI 48121 USA Generator's Phone: 313-582-2032		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name THE HOPKINS ENVIRONMENTAL SVCS LLC		U.S. EPA ID Number MID087732431					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address ENVIRASOLIDS, LLC 6011 WYOMING AVENUE DEARBORN, MI 48125 USA Facility's Phone: 313-582-2032		U.S. EPA ID Number MID087732431					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
			No.	Type			
	1. WASTE-USED OIL FROM WATER TREATMENT		001	TT	3500 3000	g	021
	2.						
	3.						
4.							
14. Special Handling Instructions and Additional Information 90 - 1) Approval #7351							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. Generator's/Offeror's Printed/Typed Name: <u>Don Trinh</u> Signature: <u>[Signature]</u> Month: <u>1</u> Day: <u>25</u> Year: <u>2012</u>							
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ Transporter signature (for exports only): _____							
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <u>Mark F. Tackett</u> Signature: <u>[Signature]</u> Month: <u>1</u> Day: <u>25</u> Year: <u>12</u> Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____							
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____ Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) _____ Month: _____ Day: _____ Year: _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. <u>H050</u> 2. _____ 3. _____ 4. _____							
20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a Printed/Typed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Month: <u>1</u> Day: <u>25</u> Year: <u>12</u>							

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MICR0773431	2. Page 1 of 1	3. Emergency Response Phone 734-335-7300	4. Manifest Tracking Number 001604699 GBF	
5. Generator's Name and Mailing Address General North America 3001 Miller Road Dearborn, MI 48121 USA Generator's Phone: 313-604-7278			Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name THE HOPKINS ENVIRONMENTAL SVCS LLC			U.S. EPA ID Number MI000003403			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address ENVROSOLIDS, LLC 5011 WYOMING AVENUE DEARBORN, MI 48126 USA Facility's Phone: 313-532-6030			U.S. EPA ID Number MICR04191471			

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes	
		No.	Type				
1.	WWT-Used Oil from Water Treatment	001	TT	30000	G	0211	
2.							
3.							
4.							

14. Special Handling Instructions and Additional Information
 95-1) Approval # 7501

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name <i>Leon Trish</i>	Signature <i>Leon Trish</i>	Month <i>1</i>	Day <i>24</i>	Year <i>2012</i>
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16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name <i>Perry F. Tackett</i>	Signature <i>Perry F. Tackett</i>	Month <i>1</i>	Day <i>24</i>	Year <i>12</i>
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy
 18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. <i>H135</i>	2.	3.	4.
----------------	----	----	----

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name <i>KATHARIN D. DETROIT</i>	Signature <i>KATHARIN D. DETROIT</i>	Month <i>1</i>	Day <i>24</i>	Year <i>12</i>
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MID 005-320254

February 14, 2012

Ms. Diane Sharrow
Enforcement Officer
RCRA Branch
Land and Chemical Division
USEPA, Region 5
77 West Jackson Blvd.
Chicago, IL 60604-3590

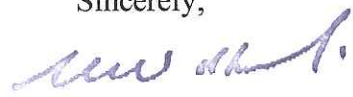
RE: DSC Ltd., Tandem Mill Pond, Gibraltar, Michigan

Dear Ms. Sharrow:

On behalf of DSC Ltd., enclosed is one (1) copy of the "Monthly Progress Report of Continuing Emergency Measures" at the Tandem Mill Pond for January 2012. This report submitted pursuant to the requirements of Section VII.C of Administrative Order in Docket No. R7003-5-99-003.

If you have any questions or comments regarding this submission, please contact me at (313)-215-0135.

Sincerely,



Michael Wilkinson
President
DSC Ltd.

Enclosures

CC: Mr. Ed Novak/MDEQ
Detroit Field Office
Cadillac Place
3058 West Grand Blvd., Suite 2-300
Detroit, MI 48202-6058

MONTHLY PROGRESS REPORT
CONTINUING EMERGENCY MEASURES

TANDEM MILL POND
DSC LTD.
GIBRALTAR, MICHIGAN

Reporting Period: January 2012

Introduction:

DSC Ltd. (DSC) is undertaking response activities at the Tandem Mill Pond (TMP) at its Gibraltar Plant as required by EPA Administrative Order No. R7003-5-99-003. The Order requires DSC to stop the exposure of migratory birds to solid wastes at the Tandem Mill Pond (VII.A) and to protect wildlife and wildlife habitat from any harmful effects of solid waste (VII.B).

The response activities implemented at the TMP by DSC are described in the Continuing Emergency Measures (CEM) Work Plan and CEM update. The goal of the CEM is to prevent any migratory birds from being exposed to oil present on and around the TMP, thereby preventing any harmful acute, sub acute, or chronic effects. DSC intends to accomplish this objective by removing oil present on the surface of the TMP, by covering oil present in the soil around the TMP, and by deterring wildlife from using the TMP.

Section VII.C of the order requires DSC to submit monthly reports describing activities taken in response to the order, and the results of all sampling and monitoring. This Monthly Progress Report presents detailed information on the actions taken at the TMP during the January 2012 reporting period.

Reporting Period Activities:

- Oil Reduction and Removal Activities
 - Oil capture or removal activities are conducted at the TMP whenever the recoverable oil could be safely accessed. In January 2012 staffing at the Tandem Mill Ponds was approximately three times per week with the exception of holiday weeks. No removal of contained oil was performed this reporting period due to insufficient funding available for recovery. The pond was covered with ice during the month. See attached Oil Inspection Reports.
- Wildlife Deterrents
 - The remediation activities have reduced the size of the TMP from six acres to one acre. Hence DSC is operating one propane noise cannon with a firing interval of 5 to 8 minutes. The Phoenix Wailer Mark III bird deterrent device is not operating due to malfunction.

During the month of January 2012 the noise cannon only operated on the January 3, 2010 because the pond was frozen the remainder of the month preventing wildlife contact with contaminated water. Normal operation of the noise cannon is approximately three times per week at half day intervals on directions from DSC Ltd management. Wildlife inspections conducted during the month of January 2012 did not indicate the presence of wildlife on the ponds. (Refer to the attached Wildlife Deterrence Inspection reports).

- Sampling and Characterization
 - No additional sampling or characterization was performed during January 2012 in conjunction with the routine monitoring for Dissolved Oxygen and pH.
- Monitoring and Inspection
 - DSC personnel conducted inspections of the Oil Management and Wildlife Deterrents on an approximately three day per week basis during January 2012. Copies of the inspection logs for January 2012 are included in Appendix A, with the noted exceptions.
- Evaluation
 - Based on the inspections and observations during other activities at the pond wildlife has not been exposed to oil on the ponds.

The evaluation criteria for the TMP (Section 6 of the December 11, 1999 CEM Work Plan) were evaluated as follows:

1. Is all recoverable oil captured within containment areas at the end of each work day? Yes, oil is contained.
2. Are all areas of floating oil (greater than sheen) covered, when not subject to response activities, to prevent wildlife contact? During the reporting period oil was reported. Standard practice is to contain any accumulated oil in the east end with a harbor boom and to remove as soon as sufficient quantities are present.
3. Is all soil with visible oil contamination covered to prevent wildlife direct contact? No. Lack of operation and revenue at DSC has prevented the purchase of supplies and equipment to address this concern.
4. Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Work Plan? No, the Phoenix Wailer was not operational during the reporting period. The noise cannon only operated on January 3, 2012, the remainder of the month the ponds were frozen preventing wildlife contact with contaminated water. Normal noise cannon operation is approximately three times a week at half day intervals at the direction of DSC Ltd management.
5. Have inspectors and wildlife technicians observed waterfowl on the TMP? No.

6. Are required and specified materials and equipment on hand and in usable condition or properly deployed? Yes, booms & pads are available and deployed appropriately.

Due to continued adverse financial conditions at the facility, DSC is not in a position to implement any additional control measures at this time.

- TMP Closure Plan Summary
 - The water in the TMP is pumped at a rate of 100 gpm (100 gpm X 60 min/hr X 10 hr/day X 5 day/week= 300,000 gals/wk); pH is adjusted using 50% sodium hydroxide and discharged into Retention Basin #1 for treatment. NOTE: No water has been pumped in ~two (2) years by order of MDEQ. After the TMP has been substantially drained, a clay berm will be constructed from south to north dividing the 5 acre pond into two cells. The remaining water in the east cell will be pumped into the west cell prior to excavation. The sediment and rag in the east cell will be excavated to a depth of at least 2 feet, and the excavated material placed into the west cell. The underlying soil in the east cell will be sampled and verification analyses will be performed in accordance with the MDEQ approved Interim Response Activity Work Plan. Following receipt of acceptable analytical results, the east cell will be covered with clay. The second phase consists of dewatering the west cell, consolidating the sediment into the southern end of the west cell, and mixing the sediment with fly ash and clay to improve the compressive strength of the material to allow covering with clay.
- TMP Closure Activities-No additional activities during this reporting period.
- Impediments to Closure Summary
 - The lack of operations and income revenue by DSC to fund closure and the reduction of staff continue to be the leading impediments to completing the closure activities during this reporting period.

APPENDIX A

Oil Management Inspection Log Sheets
Wildlife Deterrence Inspection Log Sheets
DSC Environmental Daily Discharge Readings

INSPECTOR: Robert Gleich

~~WEEK OF~~

JAN-2012

Page 1

Robert Gleason

Robert A. Kees

DSC-001A

JAN 2012

1-31-12

Monthly PCB Capacitor Inspection SCR Storage Area

DATE: 1-31-12

INSPECTED: Robert A. Gleich
ROBERT GLEICH

	YES	NO	COMMENTS
LEAKS IN CAPACITORS		✓	
BREACH IN CONTAINMENT		✓	
FLOOR COATING OK	✓		
% STORAGE AREA AVAILABLE	99%		
DEBRIS IN CONTAINMENT AREA		✓	
AREA POSTED WITH PCB SIGNS	✓		
NOTES:			

DSC LTD
TRENTON FACILITY
DRAINED PCB TRANSFORMER MONTHLY INSPECTION

LOCATION	SERIAL#	LEAKS		C.M. WITHIN 20 FT.		DATE DRAINED:	DRAINED BY:	PCB LABEL		INSP. #
		YES	NO	YES	NO			YES	NO	
1-SINTER PLANT	3234180		X		X	Jul-00	Safety Kleen	X		11
2-SINTER PLANT	3234181		X		X	Jul-00	Safety Kleen	X		12
3-SINTER PLANT	C857598		X		X	Jul-00	Safety Kleen	X		13
4-BLOWER SWITCH GEAR ROOM	9159737		X		X	11/3/97	Dynex	X		42
5-SCARFER	C168574		X		X	Jul-00	Safety Kleen	X		45
6-SOUTH MOTOR ROOM-BASEMENT	C181441	▲			▲	Jul-00	Safety Kleen			60
7-SOUTH MOTOR ROOM-BASEMENT	C158554					Jul-00	Safety Kleen			61
8-SOUTH MOTOR ROOM-BASEMENT	C158552					Jul-00	Safety Kleen			62
9-SOUTH MOTOR ROOM-BASEMENT	C158553					Jul-00	Safety Kleen			63
10-SOUTH MOTOR ROOM-BASEMENT	C158551					Jul-00	Safety Kleen			64
11-SOUTH MOTOR ROOM-BASEMENT	C158560					Jul-00	Safety Kleen			65
12-SOUTH MOTOR ROOM-BASEMENT	C158555					Jul-00	Safety Kleen			66
13-SOUTH MOTOR ROOM-BASEMENT	C158556	▼			▼	Jul-00	Safety Kleen			67
14-SCR ROOM	D590905		X		X	Jul-00	Safety Kleen	X		78
15-SCR ROOM	D590912		X		X	Jul-00	Safety Kleen	X		-
16-SCR ROOM	D590916		X		X	Jul-00	Safety Kleen	X		-

ADDITIONAL NOTES / COMMENTS:

SOUTH MOTOR ROOM BASEMENT FLOODED
CANNOT ACCESS NO INSPECTION

ROBERT GLEICH
NAME

Robert A. Gleich
SIGNATURE

1-31-12
DATE

D. Zurakowski
Revised: 1/30/02

DOUGLAS FARMER MILL FOND DAILY OIL MANAGEMENT INSPECTION LOG SHEET

For The Week Beginning Monday 01-02-2012

Inspection		Recoverable Oil Present		All Recoverable Oil Contained (Y or Location of Uncontained Oil) ²	Comments, Explanations and Response Action, Taken	Inspector (Initials)
Date	Time	Process Sewer Discharge (Y/N) ¹	TMP (N or Locations of Oil)			
02/12	AM	N	—	Holiday	—	—
	PM	↑	—		Holiday	—
03/12	8:00 AM		NE CORNER SE CORNER	NE CORNER SE CORNER		HK
	2:00 PM		NE CORNER SE CORNER	NE CORNER SE CORNER		HK
04/12	8:00 AM		NE CORNER SE CORNER	NE CORNER SE CORNER	POND FROZEN	HK
	2:00 PM		NE CORNER SE CORNER	NE CORNER SE CORNER	" "	HK
05/12	8:00 AM		NE CORNER SE CORNER	NE CORNER SE CORNER	POND FROZEN	HK
	2:00 PM		NE CORNER SE CORNER	NE CORNER SE CORNER	" "	HK
06/12	AM		POND FROZEN	POND FROZEN	POND FROZEN	HK
	PM		" "	" "	" "	HK
07/12	AM					
	PM					
08/12	AM	↓				
	PM	N				

¹ A Yes (Y) entry notification of Plant Supervisor as soon as possible

² A "Location" entry (e.a. NE corner, E bank, center) requires notification of Plant Supervisor as soon as possible

For The Week Beginning Monday 01-02-2012

Inspection		Status of Deterrent Systems							Wildlife Observations		Inspector (Initials)	
Date	Time	Fence		Bank Cover Material		Bird Netting	Noise Cannon		Wildlife Observed (N or Species Observed)	Exposed Wildlife Observed (N or Species Observed) ³		
		Breach (Y/N) ¹	Damage (Y/N) ¹	Breach (Y/N) ¹	Damage (Y/N) ¹	All Areas Covered Except for Response Activities (Y/N) ²	Operating Properly (Y/N) ²	Location Moved (Y/N)				
02/12	AM	Pond is BEING Remediated							—	—		—
	PM	↑		↑		↑	—	—	Holiday		—	
03/12	8:00 AM						*	*	NONE	NONE	HK	
	2:00 PM						*	*	NONE	NONE	HK	
04/12	8:00 AM						—	—	POND FROZEN - N	NONE	HK	
	2:00 PM						—	—	POND FROZEN - N	NONE	HK	
05/12	8:00 AM						—	—	POND FROZEN - N	NONE	HK	
	2:00 PM						—	—	POND FROZEN - N	NONE	HK	
06/12	AM						—	—	POND FROZEN - N	NONE	HK	
	PM						—	—	POND FROZEN - N	NONE	HK	
07/12	AM											
	PM											
08/12	AM	↓		↓		↓						
	PM	Pond is BEING Remediated										

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet and 2) notification of Plant Supervisor as soon as possible

² "No" (N) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet and 2) notification of Plant Supervisor as soon as possible

³ If live exposed animals are observed, immediate notification of the Environmental Supervisor and implementation of animal capture procedures are required

Pen Mark W Run Cannon 3 Times Per Week For 1/2 Day *

For The Week Beginning Monday 01-09-2012

Inspection		Status of Deterrent Systems						Wildlife Observations		Inspector (Initials)		
Date	Time	Fence		Bank Cover Material		Bird Netting	Noise Cannon		Wildlife Observed (N or Species Observed)		Exposed Wildlife Observed (N or Species Observed) ³	
		Breach (Y/N) ¹	Damage (Y/N) ¹	Breach (Y/N) ¹	Damage (Y/N) ¹	All Areas Covered Except for Response Activities (Y/N) ²	Operating Properly (Y/N) ²	Location Moved (Y/N)				
1/9	8:00 AM	Pond is BEING Remediated						—	—	POND FROZEN	POND FROZEN	H.K.
	2:00 PM	↑		↑		↑	—	—	POND FROZEN	POND FROZEN	H.K.	
1/10	8:00 AM						—	—	" "	" "	H.K.	
	2:00 PM						—	—	" "	" "	H.K.	
1/11	8:00 AM						—	—	" "	" "	H.K.	
	2:00 PM						—	—	" "	" "	H.K.	
1/12	8:00 AM						—	—	" "	" "	H.K.	
	2:00 PM						—	—	" "	" "	H.K.	
1/13	8:00 AM						—	—	" "	" "	H.K.	
	2:00 PM						—	—	" "	" "	H.K.	
1/14	AM											
	PM											
1/15	AM	↓		↓		↓						
	PM	Pond is BEING Remediated										

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet and 2) notification of Plant Supervisor as soon as possible

² "No" (N) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet and 2) notification of Plant Supervisor as soon as possible

³ If live exposed animals are observed, immediate notification of the Environmental Supervisor and implementation of animal capture procedures are required

For The Week Beginning Monday 01-09-2012

Inspection		Recoverable Oil Present		All Recoverable Oil Contained (Y or Location of Uncontained Oil) ²	Comments, Explanations and Response Action, Taken	Inspector (Initials)
Date	Time	Process Sewer Discharge (Y/N) ¹	TMP (N or Locations of Oil)			
1/09	8:00 AM	N	POND FROZEN	POND FROZEN	—	H.K.
	2:00 PM	↑	POND FROZEN	POND FROZEN	—	H.K.
1/10	8:00 AM		" "	" "	—	H.K.
	2:00 PM		" "	" "	—	H.K.
1/11	8:00 AM		" "	" "	—	H.K.
	2:00 PM		" "	" "	—	H.K.
1/12	8:00 AM		" "	" "	—	H.K.
	2:00 PM		" "	" "	—	H.K.
1/13	AM		" "	" "	—	H.K.
	PM		" "	" "	—	H.K.
1/14	AM					
	PM					
1/15	AM	↓				
	PM	N				

¹ A Yes (Y) entry notification of Plant Supervisor as soon as possible² A "Location" entry (e.a. NE corner, E bank, center) requires notification of Plant Supervisor as soon as possible

For The Week Beginning Monday 01-16-2012

Inspection		Status of Deterrent Systems							Wildlife Observations		Inspector (Initials)
Date	Time	Fence		Bank Cover Material		Bird Netting	Noise Cannon		Wildlife Observed (N or Species Observed)	Exposed Wildlife Observed (N or Species Observed) ³	
		Breach (Y/N) ¹	Damage (Y/N) ¹	Breach (Y/N) ¹	Damage (Y/N) ¹	All Areas Covered Except for Response Activities (Y/N) ²	Operating Properly (Y/N) ²	Location Moved (Y/N)			
1/16	8:00 AM	Pond is BEING REMEDIATED					—	—	POND FROZEN	POND FROZEN	R.A.G.
	2:00 PM	↑		↑		↑	—	—	POND FROZEN	POND FROZEN	R.A.G.
1/17	8:00 AM						—	—	" "	" "	R.A.G.
	2:00 PM						—	—	" "	" "	R.A.G.
1/18	8:00 AM						—	—	" "	" "	H.K.
	2:00 PM						—	—	" "	" "	H.K.
1/19	AM						—	—	" "	" "	R.A.G.
	PM						—	—	" "	" "	R.A.G.
1/20	AM						—	—	" "	" "	H.K.
	PM						—	—	" "	" "	H.K.
1/21	AM										
	PM										
1/22	AM	↓		↓		↓					
	PM	Pond is BEING REMEDIATED									

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet and 2) notification of Plant Supervisor as soon as possible

² "No" (N) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet and 2) notification of Plant Supervisor as soon as possible

³ If live exposed animals are observed, immediate notification of the Environmental Supervisor and implementation of animal capture procedures are required

For The Week Beginning Monday 01 - 16 - 2012

Inspection		Recoverable Oil Present		All Recoverable Oil Contained (Y or Location of Uncontained Oil) ²	Comments, Explanations and Response Action, Taken	Inspector (Initials)
Date	Time	Process Sewer Discharge (Y/N) ¹	TMP (N or Locations of Oil)			
1/16	8:00 AM	N	POND FROZEN	POND FROZEN	_____	R.A.G.
	2:00 PM	↑	POND FROZEN	POND FROZEN	_____	R.A.G.
1/17	8:00 AM		" "	" "	_____	R.A.G.
	2:00 PM		" "	" "	_____	R.A.G.
1/18	8:00 AM		" "	" "	_____	H.K.
	2:00 PM		" "	" "	_____	H.K.
1/19	8:00 AM		" "	" "	_____	R.A.G.
	2:00 PM		" "	" "	_____	R.A.G.
1/20	8:00 AM		" "	" "	_____	H.K.
	2:00 PM		" "	" "	_____	H.K.
1/21	AM					
	PM					
1/22	AM	↓				
	PM	N				

¹ A Yes (Y) entry notification of Plant Supervisor as soon as possible

² A "Location" entry (e.g. NE corner, E bank, center) requires notification of Plant Supervisor as soon as possible

For The Week Beginning Monday 1-23-2012

Inspection		Status of Deterrent Systems						Wildlife Observations		Inspector (Initials)		
Date	Time	Fence		Bank Cover Material		Bird Netting	Noise Cannon		Wildlife Observed (N or Species Observed)		Exposed Wildlife Observed (N or Species Observed) ³	
		Breach (Y/N) ¹	Damage (Y/N) ¹	Breach (Y/N) ¹	Damage (Y/N) ¹	All Areas Covered Except for Response Activities (Y/N) ²	Operating Properly (Y/N) ²	Location Moved (Y/N)				
1/23	8:00 AM	Pond is BEING Remediated						—	—	Pond Frozen	Pond Frozen	HK
	2:00 PM	↑		↑		↑	—	—	" "	" "	HK	
1/24	8:00 AM						—	—	" "	" "	HK	
	2:00 PM						—	—	" "	" "	HK	
1/25	8:00 AM						—	—	" "	" "	HK	
	2:00 PM						—	—	" "	" "	H.K.	
1/26	8:00 AM						—	—	" "	" "	R.A.G.	
	2:00 PM						—	—	" "	" "	R.A.G.	
1/27	8:00 AM						—	—	" "	" "	HK	
	2:00 PM						—	—	" "	" "	HK	
1/30	8:00 AM						—	—	" "	" "	HK	
	2:00 PM						—	—	" "	" "	HK	
1/31	8:00 AM	↓		↓		↓	—	—	" "	" "	HK	
	2:00 PM	Pond is BEING Remediated						—	—	" "	" "	HK

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet and 2) notification of Plant Supervisor as soon as possible

² "No" (N) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet and 2) notification of Plant Supervisor as soon as possible

³ If live exposed animals are observed, immediate notification of the Environmental Supervisor and implementation of animal capture procedures are required

Run Cannon 3 TIMES PER WEEK FOR 1/2 DAY PER MARK WILKINSON

For The Week Beginning Monday 1-13-2012

Inspection		Recoverable Oil Present		All Recoverable Oil Contained (Y or Location of Uncontained Oil) ²	Comments, Explanations and Response Action, Taken	Inspector (Initials)
Date	Time	Process Sewer Discharge (Y/N) ¹	TMP (N or Locations of Oil)			
1/23	8:00 AM	N	POND FROZEN	POND FROZEN	_____	HK
	2:00 PM	↑	" "	" "	_____	HK
1/24	8:00 AM		" "	" "	_____	HK
	2:00 PM		" "	" "	_____	HK
1/25	8:00 AM		" "	" "	_____	HK
	2:00 PM		" "	" "	_____	HK
1/26	8:00 AM		" "	" "	_____	RAG
	2:00 PM		" "	" "	_____	RAG
1/27	8:00 AM		" "	" "	_____	HK
	2:00 PM		" "	" "	_____	HK
1/30	8:00 AM		" "	" "	_____	HK
	2:00 PM		" "	" "	_____	HK
1/31	8:00 AM	↓	" "	" "	_____	HK
	2:00 PM	N	" "	" "	_____	HK

¹ A Yes (Y) entry notification of Plant Supervisor as soon as possible

² A "Location" entry (e.g. NE corner, E bank, center) requires notification of Plant Supervisor as soon as possible

Mon/Year JAN - 2012

[illegible]

Bacteria

Mon/Year JAN 2012

Date	Time	Pond	Bacteria	Amount	Initials	Comments
01/04	1:45	4	S-1	1 GAL	HK	
01/04	2:30	3	N-1	1 GAL	HK	
01/06	2:00	3	N-1	1 GAL	HK	
01/06	2:15	4	S-1	1 GAL	HK	
01/09	2:30	3	N-1	1 GAL	HK	
01/09	2:45	4	S-1	1 GAL	HK	
01/11	8:00	3	N-1	1 GAL	HK	
01/11	2:00	4	S-1	1 GAL	HK	
01/13	11:30	4	S-1	1 GAL	HK	
01/13	2:00	3	N-1	1 GAL	HK	
*						PONDS FROZEN 32°
01/31						



MID 087738431

January 17, 2012

Via Certified Mail – Return Receipt Requested

Diane M. Sharrow (LR-8J)
Enforcement Officer
RCRA Branch
Land and Chemicals Division
U.S. EPA, Region 5
77 West Jackson Boulevard
Chicago, IL 60604-3590

Subject: December 2011 Monthly Progress Report at Schaefer Road Waste Water Treatment Plant ('SRWWTP')

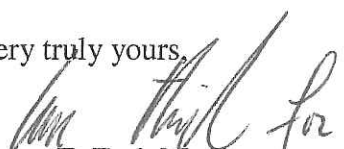
Reference: Severstal Dearborn, Administrative Order Docket No R7003-5-00-001

Dear Ms. Sharrow:

The December monthly report as specified in our Continuing Emergency Measures Workplan is enclosed. This report contains the December operators' inspection logs. No wildlife was potentially exposed in the month of December.

Please contact me at (313) 845-3217 if you have questions on the information in this report.

Very truly yours,


James E. Earl, Manager
Environmental Engineering

Enclosures

cc: Mr. John Craig, MDNRE
US Fish & Wildlife, Ann Arbor Office

Severstal Dearborn
14661 Rotunda Drive
P. O. Box 1699
Dearborn, MI 48120-1699

T: (313) 845-3217
F: (313) 337-9375
E: Jim.Earl@severstalna.com
www.severstalna.com



CONTINUING EMERGENCY MEASURES

MONTHLY PROGRESS REPORT
FOR
December 2011

SCHAEFER ROAD WASTE WATER TREATMENT PLANT

SEVERSTAL DEARBORN

DEARBORN, MICHIGAN

Prepared By: Lan Trinh

CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT

TABLE OF CONTENTS

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2.0 Activities for the Period	1
3.0 Inspection Findings	1
4.0 Evaluation	1,2
5.0 Oil Removal and Disposal	2
Inspection Summary and Report Sheets	Appendix A

**CONTINUING EMERGENCY MEASURES
MONTHLY PROGRESS REPORT
SCHAEFER ROAD WASTEWATER TREATMENT PLANT**

1.0 Introduction

This report has been prepared to fulfill the requirements of Section 8.0 of the Severstal Dearborn Continuing Emergency Measures (CEM) Workplan for the Schaefer Road Waste Water Treatment Plant, Dearborn Michigan, revised October 19, 2001.

2.0 Activities for the Period

This report covers the period December 1 through December 31, 2011. Activities for the period included continuation of ongoing efforts in oil removal with the existing skimmers, removal of any observed floating oil not collected by the skimmers, regular wildlife and equipment inspections, and operation and maintenance of the propane cannons. The fencing around the perimeter of the Primary Lagoon and on the ramps at the Secondary Lagoon remained in good condition. Netting was in-place over the north end of the Primary Lagoon and across the East and West Sludge Ponds. Geotextile at the water's edge of the Primary Lagoon was also in-place to prevent contact with stained slag. Mylar ribbons were in place on the west property boundary fence, the fence surrounding the Primary Lagoon, and along the west side of the Secondary Lagoon in order to reduce attraction to migratory birds.

3.0 Inspection Findings

The summary of daily inspection findings is provided in Appendix A. Copies of the inspection reports are also provided in Appendix A. No repetitive use of the treatment ponds and lagoons was observed in the December inspections. Daily Inspections show low activities observed throughout the area.

4.0 Evaluation

4.1 Exposure

No wildlife was observed to be exposed in December. No repetitive use of the treatment ponds has been observed during the most active periods (dawn and dusk), indicating that the measures taken pursuant to the CEM workplan have been effective for deterring acute exposures. It also indicates that activity leading to chronic exposure is not occurring.

4.2 Other Criteria

1. *Is all recoverable oil captured within containment areas at the end of each workday?* Yes, all recoverable oil at the Primary and Secondary Lagoons and Sludge Ponds is captured within containment areas at the end of each workday. At all locations, oil not captured by skimmers is removed regularly by vacuum truck.
2. *Are all areas of floating oil (greater than a sheen) covered, when not subject to response activities, to prevent wildlife direct contact?* No, there are occasionally a few locations where small patches on the Secondary Lagoon are not recovered. These areas are generally difficult to access and are removed by vacuum truck when they occur. Oil on the active sludge lagoon is removed by the installed skimmer and by vacuum truck if not in reach of the skimmer. Use of these specific locations by wildlife has not been observed by the operators or during the expert surveys.
3. *Is all soil with visible oil contamination covered to prevent wildlife direct contact?* Yes, soiled slag at the water's edge of the Primary Lagoon has been covered. The geotextile at the water's edge of the Primary Lagoon was in-place. The netting installed over the north end of the Primary Lagoon and over both Sludge Ponds covers stained soil at the edges of both ponds.
4. *Are all wildlife deterrent systems in good repair and/or operating as specified in the CEM Workplan?* The balloons, air dancers, and Mylar ribbons are frequently inspected and replaced as needed. Deterrent fences were in place and propane cannons operated properly in December 2011. The operators have been through a training session on operation of the wildlife deterrent systems, the CEM Workplan, and bird recognition and deterrence.
5. *Have inspectors and wildlife technicians observed waterfowl on the ponds or lagoons or within the SRWWTP fence?* In December, there was no observation of significant wildlife activities within the SRWWTP fence. Activities within SRWWTP fence are summarized in Appendix A.
6. *Are required and specified materials and equipment on hand and in usable condition or properly deployed?* As noted above, specific deterrent systems continue to be implemented. At this point, this criterion is applicable to the inspections, cannons, balloons, ribbons, air horns, booms, fencing, netting, geotextile, and oil skimming. Materials for these systems are generally on hand and usable.

5.0 Oil Removal and Disposal

No oil-water mixture was hauled off-site in the month of December 2011.

APPENDIX A

Inspection Summary and Report Sheets

INSPECTION SUMMARIES FOR THE PERIOD

December 1 to December 31, 2011

SUMMARY OF WILDLIFE ACTIVITY LOG*

Inspections	Bird Observations	Overflights	Interest Shown	Location	Number of Horn Blasts	Result
124	0	0	No	N/A	0	N/A

*During dawn to dusk inspections

SUMMARY OF DAILY WILDLIFE DETERRENCE INSPECTION LOG

Fence Breach	Bank Cover Oiled	Cannon Operating	Wildlife Observed	Exposed Wildlife Observed
None	31 days	31 days	0	None

SUMMARY OF DAILY OIL MANAGEMENT LOG

Report of Recoverable Oil Not Captured (by Skimmers)					
Primary Lagoon	Secondary Lagoon	Sludge Ponds	Diked Lagoon	Oil Contained	Comments
No	No	No	No	Yes	Oil not captured by skimmers is removed on a daily basis.

SRWWTP - Wildlife Activity Log

Date 2011	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/1	7:00 AM	N	N	N	N	0	N	RE
12/1	9:00 AM	N	N	N	N	0	N	RE
12/1	1:00 PM	N	N	N	N	0	N	RE
12/01	6:00 PM	N	N	N	N	0	N	RE
12/2	7:00 AM	N	N	N	N	0	N	RE
12/2	9:00 AM	N	N	N	N	0	N	RE
12/2	1:00 PM	N	N	N	N	0	N	RE
12/2	6:00 PM	N	N	N	N	0	N	RE
12/3	7:00 AM	N	N	N	N	0	N	RE
12/3	9:00 AM	N	N	N	N	0	N	S.D
12/3	1:00 PM	N	N	N	N	0	N	S.D
12/03	6:00 PM	N	N	N	N	0	N	RE
12/4	7:00 AM	N	N	N	N	0	N	RE
12/4	9:00 AM	N	N	N	N	0	N	S.D
12/4	1:00 PM	N	N	N	N	0	N	S.D
12/4	5:30 PM	N	N	N	N	0	N	RE
12/5	7:00 AM	N	N	N	N	0	N	RE
12/5	9:00 AM	N	N	N	N	0	N	S.D

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\srwwtp oil management insp. log sheet
activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/5	1:00 PM	N	N	N	N	0	N	S.D.
12/5	5:00 PM	N	N	N	N	0	N	S.D.
12/6	7:00 AM	N	N	N	N	0	N	S.D.
12/6	9:00 AM	N	N	N	N	0	N	S.D.
12/6	1:00 PM	N	N	N	N	0	N	S.D.
12/6	6:00 PM	N	N	N	N	0	N	S.D.
12/7	7:00 AM	N	N	N	N	0	N	S.D.
12/7	9:00 AM	N	N	N	N	0	N	S.D.
12/7	1:00 PM	N	N	N	N	0	N	S.D.
12/7	6:00 PM	N	N	N	N	0	N	S.D.
12/8	7:00 AM	N	N	N	N	0	N	S.D.
12/8	9:00 AM	N	N	N	N	0	N	S.D.
12/8	11:00 PM	N	N	N	N	0	N	S.D.
12/8	6:00 PM	N	N	N	N	0	N	S.D.
12/9	7:00 AM	N	N	N	N	0	N	S.D.
12/9	9:00 AM	N	N	N	N	0	N	S.D.
12/9	1:00 PM	N	N	N	N	0	N	S.D.
12/9	6:00 PM	N	N	N	N	0	N	S.D.

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\srwwtp oil management insp. log sheet
activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2011								
12/10	7:00 AM	N	N	N	N	0	N	RC
12/10	9:00 AM	N	N	N	N	0	N	RC
12/10	1:00 PM	N	N	N	N	0	N	RC
12/10	5:30 PM	N	N	N	N	0	N	RC
12/11	7:00 AM	N	N	N	N	0	N	RC
12/11	9:00 AM	N	N	N	N	0	N	RC
12-11	1:00 PM	N	N	N	N	0	N	RC
12/11	5:30 PM	N	N	N	N	0	N	RC
12/12	7:00 AM	N	N	N	N	0	N	RC
12/12	9:00 AM	N	N	N	N	0	N	RC
12/12	1:00 PM	N	N	N	N	0	N	RC
12/12	5:30 PM	N	N	N	N	0	N	RC
12/13	7:00 AM	N	N	N	N	0	N	RC
12/13	9:00 AM	N	N	N	N	0	N	RC
12/13	1:00 PM	N	N	N	N	0	N	RC
12/13	5:30 PM	N	N	N	N	0	N	RC
12/14	7:00 AM	N	N	N	N	0	N	RC
12/14	9:00 AM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

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activity log

SRWWTP - Wildlife Activity Log

Date 2011	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/14	1:00 PM	N	N	N	N	0	N	SC
12/14	5:30 PM	N	N	N	N	0	N	SC
12/15	7:00 AM	N	N	N	N	0	N	SC
12/15	9:00 AM	N	N	N	N	0	N	SC
12/15	1:00 PM	N	N	N	N	0	N	SC
12/15	5:30 PM	N	N	N	N	0	N	RG
12/16	7:00 AM	N	N	N	N	0	N	SC
12/16	9:00 AM	N	N	N	N	0	N	SC
12/16	1:00 PM	N	N	N	N	0	N	SC
12/16	5:30 PM	N	N	N	N	0	N	RG
12/17	8:00 AM	N	N	N	N	0	N	SC
12/17	9:00 AM	N	N	N	N	0	N	SC
12/17	1:00 PM	N	N	N	N	0	N	SC
12/17	5:30 PM	N	N	N	N	0	N	RG
12/18	7:00 AM	N	N	N	N	0	N	SC
12/18	9:00 AM	N	N	N	N	0	N	SC
12/18	1:00 PM	N	N	N	N	0	N	SC
12/18	5:30 PM	N	N	N	N	0	N	RG

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\SRwwtp oil management insp. log sheet
activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/19	7:00 AM	N	N	N	N	0	N	ST
12/19	9:00 AM	N	N	N	N	0	N	ST
12/19	1:00 PM	N	N	N	N	0	N	ST
12/19	5:30 PM	N	N	N	N	0	N	RG
12/20	7:00 AM	N	N	N	N	0	N	ST
12/20	9:00 AM	N	N	N	N	0	N	ST
12/20	1:00 PM	N	N	N	N	0	N	ST
12/20	5:30 PM	N	N	N	N	0	N	RG
12/21	7:00 AM	N	N	N	N	0	N	RG
12/21	9:00 AM	N	N	N	N	0	N	ST
12/21	1:00 PM	N	N	N	N	0	N	ST
12/21	5:30 PM	N	N	N	N	0	N	ST
12/22	7:00 AM	N	N	N	N	0	N	RG
12/22	9:00 AM	N	N	N	N	0	N	RG
12/22	1:00 PM	N	N	N	N	0	N	RG
12/22	5:30 PM	N	N	N	N	0	N	ST
12/23	7:00 AM	N	N	N	N	0	N	RG
12/23	9:00 AM	N	N	N	N	0	N	RG

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

FORM SRWWTP 1.03

DATE: 2/24/2001

q:\excel\rouge\SRwwtp oil management insp. log sheet
activity log

SRWWTP - Wildlife Activity Log

Date	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
2011 12/23	1:00 PM	N	N	N	N	0	N	RC
12/23	5:30 PM	N	N	N	N	0	N	RC
12/24	7:00 AM	N	N	N	N	0	N	RC
12/24	9:00 AM	N	N	N	N	0	N	RC
12/24	1:00 PM	N	N	N	N	0	N	RC
12/24	5:30 PM	N	N	N	N	0	N	RC
12/25	7:00 AM	N	N	N	N	0	N	RC
12/25	9:00 AM	N	N	N	N	0	N	RC
12/25	1:00 PM	N	N	N	N	0	N	RC
12/25	5:30 PM	N	N	N	N	0	N	RC
12/26	7:00 AM	N	N	N	N	0	N	RC
12/26	9:00 AM	N	N	N	N	0	N	RC
12/26	1:00 PM	N	N	N	N	0	N	RC
12/26	5:30 PM	N	N	N	N	0	N	RC
12/27	7:00 AM	N	N	N	N	0	N	RC
12/27	9:00 AM	N	N	N	N	0	N	RC
12/27	1:00 PM	N	N	N	N	0	N	RC
12/27	5:30 PM	N	N	N	N	0	N	RC

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP - Wildlife Activity Log

Date 2011	Time (Dawn & Dusk)	Type of Bird(s) Observed	Overflight ? (Y/N)	Showed Interest in Pond ? (Y/N)	Location of Bird(s) (See Location Codes)	Number of Horn Blasts	Result	Inspector (Initials)
12/28	7:30 AM	N	N	N	N	0	N	ST
12/28	9:00 AM	N	N	N	N	0	N	ST
12/28	1:00 PM	N	N	N	N	0	N	SC
12/28	5:30 PM	N	N	N	N	0	N	RC
12/29	7:00 AM	N	N	N	N	0	N	RC
12/29	9:00 AM	N	N	N	N	0	N	ST
12/29	1:00 PM	N	N	N	N	0	N	ST
12/29	5:30 PM	N	N	N	N	0	N	ST
12/30	7:00 AM	N	N	N	N	0	N	RC
12/30	9:00 AM	N	N	N	N	0	N	ST
12/30	1:00 PM	N	N	N	N	0	N	SC
12/30	5:30 PM	N	N	N	N	0	N	ST
12/31	7:00 AM	N	N	N	N	0	N	RC
12/31	9:00 AM	N	N	N	N	0	N	RC
12/31	1:00 PM	N	N	N	N	0	N	RC
12/31	5:30 PM	N	N	N	N	0	N	ST
X								
X								

Location Code: B = near Bermed area; D = near Diked lagoon; P = near Primary lagoon; S = near Secondary lagoon; SL = near Sludge ponds.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/1	7:00 AM	N	N	Y	Y	N	N	N	RE
	6:00 PM	N	N	Y	Y	N	N	N	J
12/1	9:00 AM	N	N	Y	Y	N	N	N	RE
	1:00 PM	N	N	Y	Y	N	N	N	RE
12/2	7:00 AM	N	N	Y	Y	N	N	N	RE
	6:00 PM	N	N	Y	Y	N	N	N	J
12/2	9:00 AM	N	N	Y	Y	N	N	N	RE
	1:00 PM	N	N	Y	Y	N	N	N	RE
12/3	7:00 AM	N	N	Y	Y	N	N	N	RE
	6:00 PM	N	N	Y	Y	N	N	N	J
12/3	9:00 AM	N	N	Y	Y	N	N	N	S. J
	12:00 PM	N	N	Y	Y	N	N	N	S. J
12/4	7:00 AM	N	N	Y	Y	N	N	N	RE
	5:30 PM	N	N	Y	Y	N	N	N	J

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2001									
12/4	9:00 AM	N	N	Y	Y	N	N	N	S.D
	1:00 PM	N	N	Y	Y	N	N	N	S.D
12/5	7:00 AM	N	N	Y	Y	N	N	N	RP
	5:00 PM	N	N	Y	Y	N	N	N	ST
12/5	9:00 AM	N	N	Y	Y	N	N	N	S.D
	1:00 PM	N	N	Y	Y	N	N	N	S.D
12/6	7:00 AM	N	N	Y	Y	N	N	N	RP
	6:00 PM	N	N	Y	Y	N	N	N	ST
12/6	9:00 AM	N	N	Y	Y	N	N	N	S.D
	1:00 PM	N	N	Y	Y	N	N	N	S.D
12/7	7:00 AM	N	N	Y	Y	N	N	N	RP
	6:00 PM	N	N	Y	Y	N	N	N	ST
12/7	9:00 AM	N	N	Y	Y	N	N	N	S.D
	1:00 PM	N	N	Y	Y	N	N	N	S.D

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2011									
12/08	7:00 AM	N	N	Y	Y	N	N	N	ST
	6:00 PM	N	N	Y	Y	N	N	N	RC
12/08	9:00 AM	N	N	Y	Y	N	N	IV	S.O
	1:00 PM	N	IV	Y	Y	N	N	IV	S.O
12/09	7:00 AM	N	N	Y	Y	N	N	N	ST
	6:00 PM	N	N	Y	Y	N	N	N	RC
12/09	9:00 AM	N	N	Y	Y	N	N	IV	S.O
	1:00 PM	N	N	Y	Y	N	N	IV	S.O
12/10	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	ST
12/10	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
12/11	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	ST

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2011 12/11	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
12/12	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	5:30 PM	N	N	Y	Y	N	N	N	
12/12	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
12/13	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	5:30 PM	N	N	Y	Y	N	N	N	
12/13	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	
12/14	7:00 AM	N	N	Y	Y	N	N	N	[Signature]
	5:30 PM	N	N	Y	Y	N	N	N	
12/14	9:00 AM	N	N	Y	Y	N	N	N	[Signature]
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/15	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	RC
12/15	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
12/16	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	RC
12/16	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
12/17	8:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	RC
12/17	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
12/18	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

² "No" (N) entry requires notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2011 12/18	9:00 AM	N	N	Y	X	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
12/19	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	RC
12/19	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
12/20	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	RC
12/20	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC
12/21	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	RC
12/21	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	RC

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
2011 12/22	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/22	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
12/23	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/23	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
12/24	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/24	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
12/25	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/25	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
12/26	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/26	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
12/27	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/27	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
12/28	7:30 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/28	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	

¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.

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SRWWTP DAILY WILDLIFE DETERRENCE INSPECTION LOG SHEET

Inspection		Status of Deterrent Systems				Wildlife Observations			Inspector (Initials)
Date	Time	Fence		Bank Cover	Noise Cannon	Wildlife Observed (N, or Type Observed)	Exposed Wildlife Observed (N, or Type Observed and action taken ³)	Location	
		Breach/ Damage (Y/N) ¹	Location (if Y)	Oiled (Y/N)	Operating Properly (Y/N) ²				
12/29	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/29	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
12/30	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/30	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
12/31	7:00 AM	N	N	Y	Y	N	N	N	RC
	5:30 PM	N	N	Y	Y	N	N	N	
12/31	9:00 AM	N	N	Y	Y	N	N	N	RC
	1:00 PM	N	N	Y	Y	N	N	N	
X	AM								RC
	PM								

- ¹ "Yes" (Y) entry requires 1) description of location (e.g., NE corner, E bank) on log sheet, and 2) notification of Plant Supervisor as soon as possible.
- ² "No" (N) entry requires notification of Plant Supervisor as soon as possible.
- ³ If live exposed animals are observed, immediate notification of Environmental Engineering and implementation of animal capture procedures are required. If dead exposed animals are observed, leave undisturbed, and immediately notify Environmental Engineering.

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2011								
12/1	7:00 AM	N	N	N	N	Y	NA	RE
	6:00 PM	N	N	N	N	Y	NA	RE
12/1	9:00 AM	N	N	N	N	Y	NA	RE
	1:00 PM	N	N	N	N	Y	NA	RE
12/2	7:00 AM	N	N	N	N	Y	NA	RE
	6:00 PM	N	N	N	N	Y	NA	RE
12/2	9:00 AM	N	N	N	N	Y	NA	RE
	1:00 PM	N	N	N	N	Y	NA	RE
12/3	7:00 AM	N	N	N	N	Y	NA	RE
	6:00 PM	N	N	N	N	Y	NA	RE
12/3	9:00 AM	N	N	N	N	Y	NA	S.O
	1:00 PM	N	N	N	N	X	NA	S.O
12/4	7:00 AM	N	N	N	N	Y	NA	RE
	5:30 PM	N	N	N	N	Y	NA	RE

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

FORM SRWWTP 1.01

DATE: 2/25/2001

q:\excel\rouge\srwwtp oil management insp. log sheet

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
12/4	9:00 AM	N	N	N	N	Y	NA	S.O.
	1:00 PM	N	N	N	N	Y	NA	S.O.
12/5	7:00 AM	N	N	N	N	Y	NA	S.O.
	5:00 PM	N	N	N	N	Y	NA	S.O.
12/5	9:00 AM	N	N	N	N	Y	NA	S.O.
	1:00 PM	N	N	N	N	Y	NA	S.O.
12/6	7:00 AM	N	N	N	N	Y	NA	S.O.
	6:00 PM	N	N	N	N	Y	NA	S.O.
12/6	9:00 AM	N	N	N	N	Y	NA	S.O.
	1:00 PM	N	N	N	N	Y	NA	S.O.
12/7	7:00 AM	N	N	N	N	Y	NA	S.O.
	6:00 PM	N	N	N	N	Y	NA	S.O.
12/7	9:00 AM	N	N	N	N	Y	NA	S.O.
	1:00 PM	N	N	N	N	Y	NA	S.O.

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2/25/01								
12/08	7:00 AM	N	N	N	N	Y	NA	ST
	6:00 PM	N	N	N	N	Y	NA	SC
12/08	7:00 AM	N	N	N	N	Y	NA	SO
	1:00 PM	N	N	N	N	Y	NA	SO
12/09	7:00 AM	N	N	N	N	Y	NA	ST
	6:00 PM	N	N	N	N	Y	NA	SC
12/09	7:00 AM	N	N	N	N	Y	NA	SO
	1:00 PM	N	N	N	N	Y	NA	SO
12/10	7:00 AM	N	N	N	N	Y	NA	RE
	5:30 PM	N	N	N	N	Y	NA	ST
12/10	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
12/11	7:00 AM	N	N	N	N	Y	NA	RE
	5:30 PM	N	N	N	N	Y	NA	ST

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2011								
12/11	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/12	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/12	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/13	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/13	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/14	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/14	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

¹ A Yes (Y) entry requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column. (Sample: "Called Doetsch" or "Called Barstow").

² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

SRWWTP DAILY OIL MANAGEMENT INSPECTION LOG SHEET

Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2011								
12/15	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/15	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/16	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/16	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/17	8:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/17	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/18	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2011								
12/18	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
12/19	9:00 AM	N	N	N	N	Y	NA	SC
	5:30 PM	N	N	N	N	Y	NA	RG
12/19	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
12/20	9:00 AM	N	N	N	N	Y	NA	SC
	5:30 PM	N	N	N	N	Y	NA	RG
12/20	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC
12/21	7:00 AM	N	N	N	N	Y	NA	SC
	5:30 PM	N	N	N	N	Y	NA	SC
12/21	9:00 AM	N	N	N	N	Y	NA	SC
	1:00 PM	N	N	N	N	Y	NA	SC

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2011								
12/22	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	ST
12/22	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/23	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	ST
12/23	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/24	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/24	9:00 AM	N	N	N	N	Y	NA	ST
	1:00 PM	N	N	N	N	Y	NA	ST
12/25	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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Inspection		Any recoverable oil not captured by skimmers? ¹				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
2011								
12/25	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/26	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/26	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/27	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/27	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/28	7:30 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/28	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC

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² A "Location" entry (e.g., NE corner, E bank, center) requires notification of Plant Supervisor or removal contractor as soon as possible, AND a note in Comments column (see samples above).

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Inspection		Any recoverable oil not captured by skimmers?				All Recoverable Oil Contained (Y or Location of Uncontained Oil ²)	Response Action Taken, Comments, and Explanations (or "NA" if not applicable)	Inspector (Initials)
Date	Time	Primary Lagoon (Y or N)	Secondary Lagoon (Y or N)	Sludge Ponds (Y or N)	Diked Lagoon (Y or N)			
12/29	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/29	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/30	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/30	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
12/31	7:00 AM	N	N	N	N	Y	NA	RC
	5:30 PM	N	N	N	N	Y	NA	RC
12/31	9:00 AM	N	N	N	N	Y	NA	RC
	1:00 PM	N	N	N	N	Y	NA	RC
X	AM							
	PM							

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